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Coal Repeat Violation Reduction Program

U. S. Department of Labor
Mine Safety and Health Administration
National Mine Health and Safety Academy

1989
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Instruction Guide Series

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Coal Repeat Violation Reduction Program

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MSHA IG 63

REPEAT VIOLATION REDUCTION PROGRAM
LABOR
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ACCIDENT
VIOLATION
MSHA
R V R P

ACKNOWLEDGEMENTS

The Repeat Violation Reduction Program is a violation, hazard, accident reduction program conceived, developed and implemented by the United States Department of Labor, Mine Safety and Health Administration (MSHA), District 3 personnel in Morgantown, WV. Thanks go to those inspection personnel who exemplify the agencies' continuing desire to work with labor and management in developing new ways to improve safety in our Nations mines.

Additional thanks go to the mine operations and labor organizations within District 3 who graciously participated in the early RVRP projects. It is through their contributions that RVRP has grown into the viable violation reduction strategy that it is today.

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INTRODUCTION

INTRODUCTION

Inspection of coal mines continues to be the cornerstone of MSHA's contribution to improved coal mine safety. The citation/order-abatement process serves to identify unacceptable mining practices and conditions and get them corrected.

It is clear from sections 103(a) and 502(a) of the Act that Congress did not intend for our efforts to end here. Thus, the next logical step toward improved enhanced safety is to consider what caused the violation, and what can be done about that cause.

INSPECTIONS, INVESTIGATIONS, AND RECORDKEEPING

SEC. 103.(a) Authorized representatives of the Secretary or the Secretary of Health, Education, and Welfare shall make frequent inspections and investigations in coal or other mines each year for the purpose of (1) obtaining, utilizing, and disseminating information relating to health and safety conditions, the causes of accidents, [emphasis added] and the causes of diseases and physical impairments originating in such mines, (2) gathering information with respect to mandatory health or safety standards, (3) determining whether an imminent danger exists, and (4) determining whether there is compliance with the mandatory health or safety standards or with any citation, order, or decision issued under this title or other requirements of this Act.

TRAINING AND EDUCATION

SEC. 502(a) The Secretary shall expand programs for the education and training of operators and agents thereof, and miners in--

(1) the recognition,avoidance, and prevention of accidents or unsafe or unhealthful working conditions in coal or other mines; [emphasis added] and

Even Congress recognized that citing a condition or practice does not necessarily remedy the problem which caused the condition or practice to exist. Thus, through the life of a mine, it is not unusual to find the same violations quarter after quarter. For that reason, RVRP takes us beyond the traditional where, what, when inquiry made during the inspection. Using the citations/orders issued during an inspection as a springboard, RVRP initiates a cooperative inquiry into questions such as:

1. What is causing these violations?
2. Why does this mine have the same type of violations at each inspection?
3. What can be done to eliminate the problems which are causing the violations at this mine?

Thus, the RVRP recognizes the need for a two-dimensional approach to mine safety.

1. Identify and abate violations of mandatory standards through strict enforcement.
2. Assist the operator in developing and implementing a cooperative strategy designed to eliminate repeat violations and their corresponding hazards.

RVRP calls for MSHA, Management and Labor to pool resources to reduce repeat violations by focusing on why and how violations were caused and how they can be eliminated!

PURPOSES AND GOALS

The goal of the program is to begin action by labor, MSHA, and operators toward reducing repeat violations. RVRP begins after a citation or order is issued. The program recognizes that a violative condition is not a unique instance. It is an indicator of a breakdown in a larger system which allowed it to slip through. This RVRP method can cause a professional approach in inspection activities and can act as a training mechanism for mine examiners, workers, and mine operators. The result should be a better understanding of the regulations, fewer existing violations, and fewer violations discovered by the inspector and safer mines.

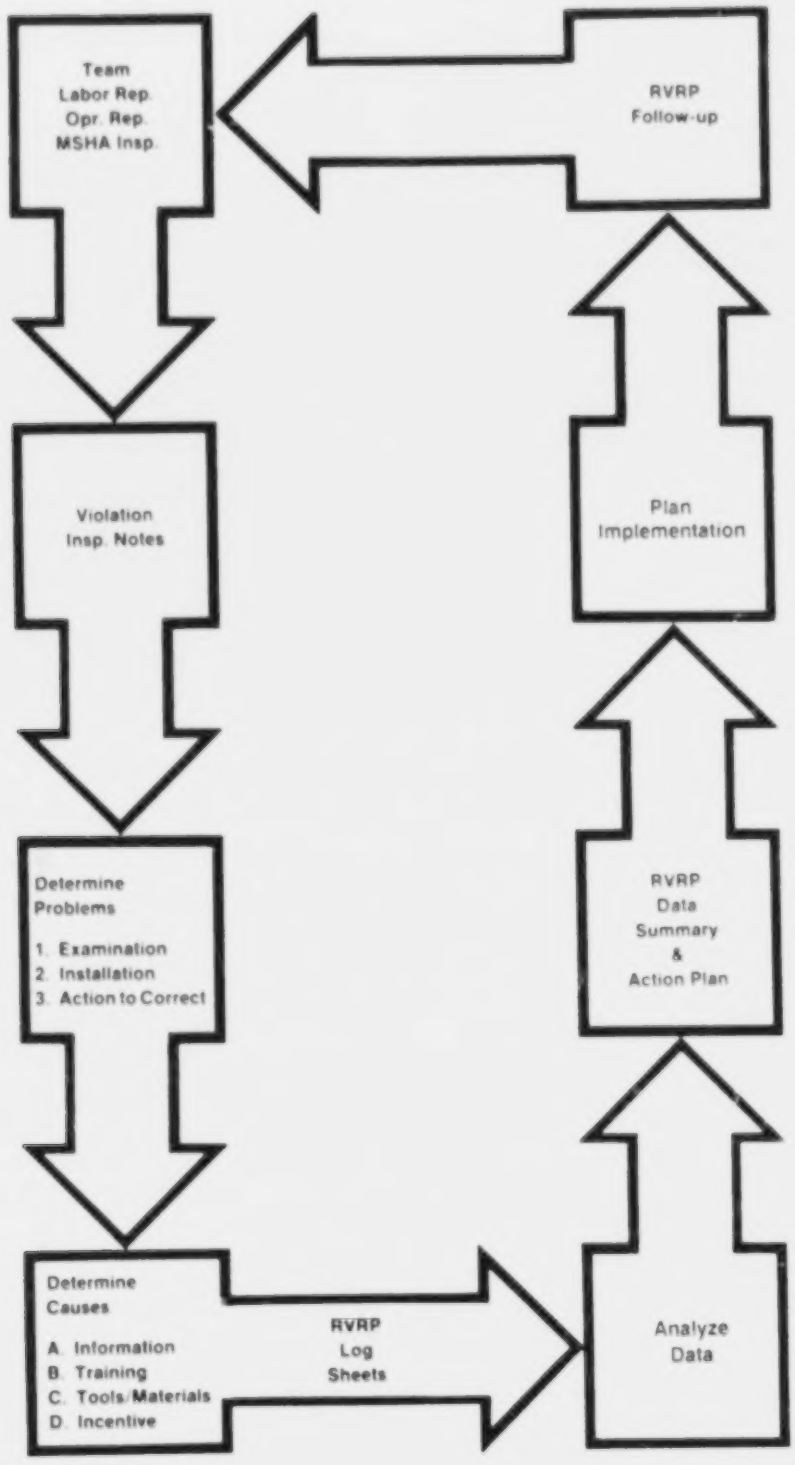
Another result will likely be improved cooperation between the inspectors, labor, and operators. All parties at the mine will begin working toward a common goal. The program will require that a dialogue be reestablished to address the inspection results. It is not unlikely that the overall number of violations, including unwarrantable type violations, should decrease. There will be a conscious effort to correct not only each violation, but also to correct systems problems that allowed or caused violations to exist.

These are ambitious goals that are not without risks. Before the goals can be achieved, there must be a mutual understanding of the process by MSHA inspectors and supervisors, mine operators, and by the mine workers. Each person must be willing to trust the other and overcome the traditional adversary roles that prevent cooperation. There will no doubt be differences of opinion and at times conflicting positions. However, for the program to work, all parties must maintain professional attitudes with no hidden agendas. The operator should not think that this program is a way to lessen MSHA's enforcement effort, and MSHA should not use information gathered to justify unwarrantable violations. The mine workers should recognize that safer mines will result if the recurring unsafe conditions are eliminated.

PURPOSES AND GOALS

The expected long term advantages to using the RVRP approach are:

- Reduced mine hazards
- A correction of the systems problem that allows or causes a violation to exist
- Fewer violations, particularly unwarrantable
- Improved cooperation between labor, MSHA, and operators
- A more professional inspection force
- More productive use of inspection time
- Solutions that may correct other problems not related to citations (i.e., productivity, labor-management, etc.)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Follow-up
Violation
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Implementation
Determine
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1. Examination
2. Installation
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&
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B. Training
C. Tools/Materials
D. Incentive
RVRP
Log
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Analyze
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UNDERLYING CONCEPTS OF RVRP

Any successful effort to reduce or eliminate violations of mining law hinges upon our ability to understand and influence the factors that cause them to exist.

The principal factor in all mining violations is people. What people do or fail to do as they go about the everyday business of mining can result in violations of mine law.

Axiom #1 **Every failure of a person to do something which results in a violation can be described as one of the following problems:**

- **Examination**
- **Installation**
- **Correction**

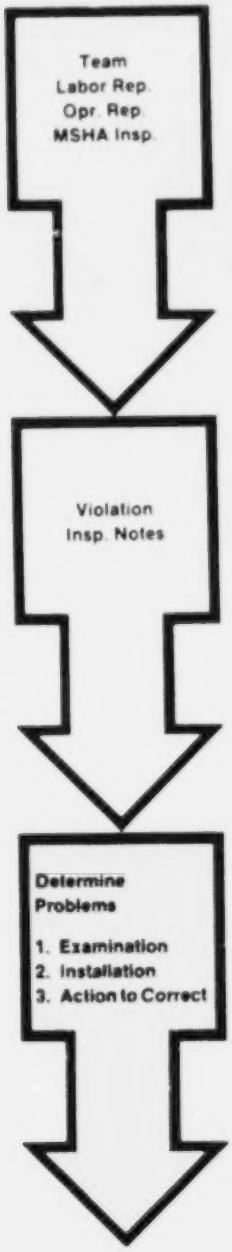
While it is useful to understand that every violation is a symptom of an examination problem, an installation problem, or a correction problem, understanding is only the means to an end. For example, it is useful to know that the violation issued at the first cross-cut inby spad 323 is the result of an installation problem only if that knowledge gives a better understanding of what may have caused the installation problem.

Axiom #2 **The existence of any problem cited as a violation of mining law is the result of one of the following causes:**

- **Information**
- **Training**
- **Tools/materials**
- **Incentive**

The installation problem cited at spad 323 was caused by a deficiency in (or lack of) information, training, tools, or incentive.

History shows that mine operations, which are content to correct symptoms when they are found by enforcement personnel (replacing guard left off) instead of attempting to determine/understand why the guard was left off in the first place (cause), are destined to repeat the same violations.


Team
Labor Rep.
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MSHA Insp.
Violation
Insp. Notes
Determine
Problems
1. Examination
2. Installation
3. Action to Correct

PROBLEM AREAS OF VIOLATIONS

Every failure of a person to do something which results in a violation can be described as one of the following problems:

- Examination
- Installation
- Correction

The existence of a violation is evidence of a problem in one of the three areas in which mandatory health and safety requirements stipulate action by the operator or the operators. As previously mentioned, any violation indicates an examination problem, an installation problem, or a correction problem.

The first step in using the RVRP analysis strategy is to determine which problem area is indicated by the citation. This is a relatively simple task considering there are only three possibilities. The easiest way to make this determination is to compare the citation with the criteria it must meet to fall into one of the categories (the criteria are covered in the following pages).

PROBLEM AREA 1 - EXAMINATION

First look at a citation to determine if it indicates an **examination** problem. The following information may be helpful in making this determination.

Violations fall into the examination problem area if the company is cited for failure to examine in accordance with a mandatory standard. These citations can describe:

- no examinations
- deficient examinations
- improper examinations

Included in this area is failure to record inspection results (where required) in appropriate log books.

Citations, which meet this criteria, include but are not limited to the following types of mandatory standard requirements:

- Weekly electrical exams
- Weekly ventilation exams
- Pre-shift or on-shift exams
- Twenty minute methane checks
- Daily elevator checks

A citation cannot be classified as an examination problem unless the inspector has specifically cited for the failure to examine in accordance with a mandatory standard.

Examples of citations in the examination problem area are:

Example #1-The examination of the No. 2 and 3 belt conveyor entries was inadequate because several violations existed and
75.303 the examiner did not report or record the conditions in the pre-shift examiners report.

Example #2-The last weekly examination that was recorded in the weekly examination book for the 1 north sump areas,
75.512 scoop and charger was on 8/12/87. (Date of violation 10/27/87)

In Example 1, a citation was issued for a **deficient examination** because conditions were not recorded in the pre-shift examiner's report.

Example 2 describes a violation in which the operator **failed** to **examine** the electrical equipment weekly.

If the citation meets the criteria for **examination**, log it accordingly. If the citation does not meet the criteria for examination, consider the next problem area, **installation**.

PROBLEM AREA 2 - INSTALLATION

The following information may help determine if the citation indicates an **installation** problem.

A citation cannot be an installation problem if it was determined to be an examination problem.

A citation indicates an **installation** problem if it describes:

- Lack of a required installation
- An improper installation

RVRP uses the term installation to refer almost exclusively to the installation of an object, structure, configuration, substance, or material. Standards violated which specify a "thing" are usually in this category.

Violations which could meet the criteria for **installation** include, but are not limited to:

- Fire sensors installed with improper spacing
- No trolley guards installed where people regularly travel
- Rock dust not applied
- Line curtain too far from face while cutting coal
- No permanent stoppings installed
- Circuit breakers jumped out
- Methane monitors bridged out

Citations are issued for a missing guard, a permissible enclosure missing a packing gland, or a methane monitor being bridged out. The common factor in each of these installation problems is that a human caused the installation to be improper or not present. None of the examples indicate the conditions deteriorated that could normally be expected to occur over time.

Examples of citations written on an improper installation or no installation are:

Example #3-The trolley wire was not guarded at the inby end of the turnaround located on Straight Mains, where per-
75.1000-3a sons and equipment are required to pass under regularly at the track haulage switch. The walking height of the coal is five feet.

Example #4-No ground monitor was provided on the sump pump on 4th Right 002 Section, No. 1 Entry.
75.700

Example #5-In the 3rd Right 001 Section, the air currents in the belt conveyor entry are being used to ventilate the
75.326 active working places. The condition is caused due to a check curtain being poorly installed in the No. 4 Entry, and the air not being coursed directly to the return.

To determine if a citation describes an **installation** problem, consider the condition or status of the installation at the time the citation is issued. At the time Examples 3 and 4 were cited, the installations were missing. It is irrelevant that the ground monitor in Example 4 may have been installed. At the time the inspector observed it, the monitor was not provided.

In Example 5, evidence indicates that the installation may have been correct at one time, but the changes made have altered its status to make it no longer properly installed.

Does the citation describe a condition of noncompliance that exists because of the way something was installed? If the answer is yes, it is an **installation** problem. Log it accordingly. If the answer is no, consider the next problem area, **correction**.

PROBLEM AREA 3 - CORRECTION

The following information may help determine if the citation indicates a **correction** problem.

If the citation was either an examination problem or an installation problem, it cannot be a correction problem. If the citation was neither an examination problem or an installation problem, it must be a correction problem.

Violations in this category cite hazards that have evolved over time, anywhere from seconds to years. These hazards did not exist until something changed or until some sequence of events resulted in a condition that does not comply with the law. In practically all cases, actions by appropriate employees to interrupt the sequence of events (correct), would prevent the violation. When we cite violations in this category, we are as concerned with the failure to take action to interrupt the sequence of events as we are with the resulting hazardous condition itself.

For example, adverse roof conditions may develop in a haulage intersection that is supported in accordance with the roof control plan. If supplemental support is not installed, the adverse conditions could represent a violation. On the other hand, if adequate supports are installed, the violation may be avoided. In this example, the adverse condition which developed over time is probably not the thrust of the violation. The failure to take action to correct makes the condition a violation.

A buildup of 3% methane in the face is not a violation. The failure to deenergize electrical equipment and adjust ventilation controls (take corrective action) is a violation.

A citation indicates a **correction** problem if it describes a situation that was not:

- recognized
- reported to the appropriate person
- corrected (if reported)

Examples of conditions cited which represent this problem area include:

- Excessive accumulations of water
- Accumulation of coal spillage
- Accumulation of methane in bleeders
- Deterioration of track haulage
- Equipment damage (cables, ventilation tubing, broken windshields)

Examples of citations in the correction problem area are:

Example #6-
75.202 (a) Inadequate roof support was being provided in the 3rd Right 001 Section. In the No. 1 Entry a bearing plate to a 6-foot conventional roof bolt installed in the required 4 1/2-foot pattern had been sheared off by the continuous mining machine causing the distance between adequate roof supports to be 7 feet length-wise and 5 feet, 3 inches from the rib line. Also, in one location in the 2nd Crosscut outby the face in the Nos. 1 and 2 Entries, a bearing plate was dislodged by moving equipment, causing the plate to be 5 inches from the mine roof. The distance between adequately installed roof supports in the area was 7 feet crosswise and 8 feet lengthwise. All measurements were made with a tape rule.

Example #7-
75.1725(a) There were 15 stuck and/or frozen bottom rollers in the 2 right No. 4 belt flight. The flight is approximately 3000 feet in length. This condition creates a fire hazard due to the frictional heat generated by the belt sliding over the stuck rollers. The belt was removed from service by the operator.

To determine if a citation describes a **correction** problem, ask yourself if this violation exists because someone failed to take the appropriate measures to correct a condition that developed.

In Example 6, the violation existed because no one acted to replace the bolt that had been sheared off during the mining process. In Example 7, the violation existed because no one performed the maintenance necessary to keep the machinery in safe operating condition.

A high percentage (70 percent) of all violations indicate a lack of **correction** as the problem ultimately leading to the citation.

CLASS EXERCISES - DETERMINE THE PROBLEM AREA OF THE VIOLATION

What kind of problem do the following citations describe?

1. Examination
2. Installation
3. Correction

1. 75.1100-2 The fire hose outlet valves, along the 11 right section conveyor belt, were missing parts and the fire hose could not be connected to the valves. The belt had been in operation.

   Problem Area: _____

2. 77.1104 There are excessive accumulations of oil and coal dust located on the floor, walls and belt takeup located in the pump house at the pit mouth at the belt entry.

   Problem Area: _____

3. 75.202 Additional roof supports were needed along the left section belt between breaks 12 and 13 where the roof showed signs of shearing along the walkway, for a distance of 25 feet.

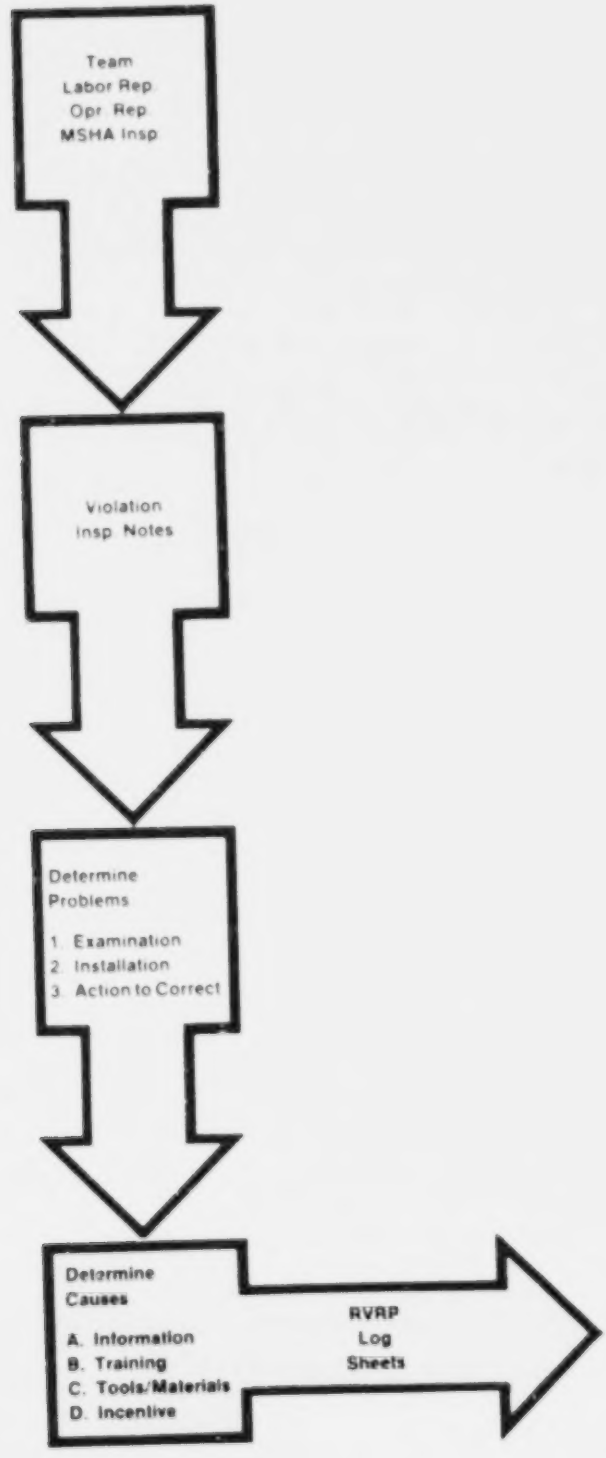
   Problem Area: _____

4. 75.1103-4 Fire sensors that respond to temperature rise were not installed in the warning system at the beginning of the 9 left conveyor belt for a distance of approximately 250 feet inby the beginning of the belt flight.

   Problem Area: _____

5. 75.305 A record of the tailgate entry and the week's examination for the B-9 and E-2 longwall sections are not being kept in a book approved by the secretary. There was no approved book at the mine site to record the examination.

   Problem Area: _____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2. Installation
3. Action to Correct
Determine
Causes
A. Information
B. Training
C. Tools/Materials
D. Incentive
RVRP
Log
Sheets

CAUSES OF VIOLATIONS

The second step in the RVRP analysis strategy is to determine what caused the problem identified in step one. This also is a relatively easy task, because there are only four (4) possible causes.

Any problem cited as a violation of mining law is the result of one of the following causes:

A. Information, B. Training, C. Tools/Materials, D. Incentive

Employees who do not have adequate information, training, tools/materials, and incentives find it difficult, if not impossible, to detect, correct, and prevent hazards in their work environment. Many of these hazards, if not detected, corrected, or prevented, constitute violation of mining law.

The cause of the (examination, installation, correction) problem can easily be isolated when the citation and field notes are compared with criteria established for each of the four (4) causes.

For the purposes of this program, "'miner' means any individual working in a coal or other mine." (Sec. 3(g) 1977 Amendments Act)

INFORMATION:

A miner failed to	examine install correct	because he/she was not informed.

TRAINING:

A miner failed to skill to do it.	examine install correct	because he/she did not have the

TOOLS/MATERIALS:

A miner failed to or materials.	examine install correct	because he/she did not have tools

INCENTIVE:

A miner failed to	examine install correct	because he\she decided not to.

CAUSE A - INFORMATION

A miner failed to	**examine install correct**	**because he/she was not informed.**

What employees know about the what, where, when, why, and how of the work they perform depends on the information they receive. Plans, policies, rules, regulations, operating procedures, and guidelines are all sources of information that give miners answers to questions about the jobs they do.

There is no recipe to follow when deciding what information people need and what is the best way to deliver it to them. However, we do know this--When an employee performs a job the way it is supposed to be done, the information received:

- was the right information.
- was delivered in a manner he/she understood.

Companies which suffer from repeat violations consistently fail to provide the right information to employees in a way they can understand it.

It's easy to tell when an information network is deficient. The telltale signs are unmistakable. When you hear one of the following, you know that a miner made a mistake because he/she didn't have the information needed.

Nobody told me!
I didn't know that!
When did the policy change?
I thought you wanted it there!
Well, who was suppose to look at it?
I thought you guys would take care of it!
I thought you told him!
How was I suppose to know?
I know what you said, but I thought you meant...
I wish I had known!
I thought that was the policy!
Violation! I didn't think we had to...

Each of those common exclamations were made after something had already happened! That something could very easily have been a violation like these:

Example #8-
75.1403 The clearance space along the 1 Right Track Haulage is obstructed with mud, water and rock, starting at the switch and continuing inby to the rock dust borehole, a distance of approximately 700 feet. This obstruction creates a slip and fall hazard.

Additional Information

The shift foreman had instructed all foremen to tell their people not to use too much water in cleaning the belt heads. The miner on the belt beside the track was not told, and the water that miner used to clean with collected in the track entry.

Example #9-
75.1725(a) There were 15 stuck and/or frozen bottom rollers in the 2 right No. 4 belt flight. The flight is approximately 3000 feet in length. This condition creates a fire hazard due to the frictional heat generated by the belt sliding over the stuck rollers. The belt was removed from service by the operator.

Additional Information

Belt examiners were in the habit of tagging out belt rollers, but not reporting their location.

The information process is working at a mine when it collects, organizes, and disseminates information. This examination results in clear, concise and accurate plans, policies, and procedures that direct and guide employees in the performance of their jobs. An effective information system would have prevented the violations in Examples 8 and 9.

If there is evidence that a miner failed to (1) examine, (2) install, or (3) correct because he/she was not informed, log the citation as an **information** deficiency.

If there is no indication of such a deficiency consider the next possible cause: **training**.

CAUSE B - TRAINING

A miner failed to	**examine install**	**because he did not have the**
skills to do it.	**correct**	

Training is the process by which an employee acquires the skills to be able to do a job the way it should be done.

Lack of or deficient training causes citations when miners do not have the ability to detect, correct, or prevent unlawful conditions.

In our industry, training has two purposes:

- Provide information to miners
- Help miners acquire the skills to do their jobs

In one respect, training is just another means for providing information to miners about what, where, when, and how to do their jobs. As mentioned in the information section, if a deficiency of information caused the violation, then it should be logged under information.

The second purpose for training then becomes the real focal point for determining if a lack of training caused the violation. Effective training must help miners develop the ability to use the information we have given them.

It is one thing to tell a roof bolter the section is changing from conventional to resin bolts, that they will be on 5 foot centers instead of four, and that the miner will torque test them at 150 foot pounds (information). **It is another thing entirely to train the miner in a way that allows him/her to develop the ability to do these things.**

In addition to telling the miner what to do (information) and helping him/her learn to do it (training), an important part of the training process is the experience the miner acquires after developing the skills to apply the information he/she has received. For that reason, violations which result when miners have the information and the training but not the experience should be considered as part of the **training** category.

The following are examples of citations caused by deficient training:

Example #10-Mining operations were being performed at the face of the No. 3 Entry for 30 minutes and no methane examinations were made by the continuous mining machine operator. Located in the 1 Right Section.

Additional Information

The miner operator stated that he/she had been given the methane detector and told to take gas checks every 20 minutes but the operator had never had training on how to use the G-70 type. The miner operator had always used a spotter.

Example #11-The 440 volt miner cable had been damaged and re-entered into the continuous mining machine. The phases were found to be connected to the wrong connectors. Located in 1 Right Section.

Additional Information

The miner helper said the electrician asked him/her to re-enter the cable and told him there was really no way to mess up. The helper been shown how to do it but never done it.

If a miner failed to install because he/she did not have the skills (either from lack of training or experience) to make the (1) examination, (2) installation, or (3) correction, the violation was caused by a lack of training and should be logged accordingly.

If the citation was not caused by TRAINING, consider the next cause, TOOLS/MATERIALS.

CAUSE C - TOOLS/MATERIALS

A miner failed to	**examine install correct**	**because tools and materials are not available.**

Sometimes a standard specifies the tool/material as part of a condition of compliance. For example, the following tools/materials are an integral part of the condition of compliance: slate bar, trolley guard, line curtain, roof bolts, timbers, derails, reflectors, jacks, rock dust, water, methanometers, safety glasses, etc. Other standards only specify a condition of compliance and permit flexibility in determining the tools/materials necessary to meet that condition. For example, line curtain is required to be installed at specific times and locations in order for the section to comply with the law. The standard obviously does not require the use of a hammer even though most utility men find one to be necessary to install the curtain.

In either event, violations can result when the appropriate tools/materials are not available.

These two citations were caused by lack of **tools/materials**:

Example #12-75.1000-3a The trolley wire was not guarded at the inby end of the turnaround located on Straight Mains, where persons and equipment are required to pass under regularly at the track haulage switch. The walking height of the coal is five feet.

Additional Information

Fire boss reports logged the missing trolley guard for 6 shifts. The mine foreman stated that he/she directed the shift foreman to take care of it. The shift foreman assigned two workers to install the guard. The two workers were told by supply personnel that a load of yellow back trolley guard was due in any day.

Example #13-75.1100-2b The fire hose outlet valves along the 11 right section conveyor belt were missing parts, and the fire hose could not be connected to the valves. The belt had been in operation.

Additional Information

Supply had mistakenly ordered all female fittings and no male fittings were available.

CAUSE C - TOOLS/MATERIALS

If the citation and notes describe a situation in which a miner failed to (1) examine, (2) install, or (3) correct because tools and materials were not available, it should be logged as a tools/materials citation.

If evidence does not indicate that a lack of **tools/materials** caused the violation, consider the next cause, **incentive**.

CAUSE D - INCENTIVE

A miner failed to	**examine install correct**	**because he/she decided not to.**

One principle comes out of the thousands of pages written by researchers, psychologists and scientific scholars which explains the last possible cause of someone failing to examine, install, or correct:

To avoid pain/discomfort,
To seek pleasure/comfort, is
To be human.

Individuals at a mine make hundreds of decisions every day. How these decisions are made often means the difference between violation versus no violation.

One of the most important factors used, consciously or subconsciously, to make these decisions is incentives. Incentives are like a double-edged sword. Both positive and negative incentives are powerful in their influence over the decisions people make. Positive incentives motivate, while negative incentives demotivate. A violation, which is the result of an employee's decision not to examine, install, or correct is caused by lack of proper incentive. The employee perceives the task to be more bothersome to do it than the risk of not doing it. The employee may not even perceive any personal risk at all.

When the incentive to do something is greater than the incentive not to do something, it gets done.

When the incentive not to do something is greater than the incentive to do something, it doesn't get done.

All this really means is that some violations occur when employees make a decision not to examine, install, or correct because it takes effort to do so. Most decisions to save effort are based on the notion that the risk of being caught is low. The attitude may even be, "If the failure is traced back to me, so what! I ran good coal today."

When you hear statements like the following, you are hearing an explanation of why someone decided not to examine, install or correct because of incentive:

Well, it was the end of the shift...
I figured since everybody else did it...
I just can't stand to wear them because...
It was easier to..
It would have taken twice as long to...
But its 300 feet down there...
We were only going to get 3 more buggies before...
I was only in there a couple of minutes...
I didn't figure anybody would ever know...
Well, we have priorities and...
I know, but we were being careful...
It's not my job...
I'm not cleaning the tailpiece today because I cleaned it yesterday!

While the explanation can be important to help understand the driving force behind the decision, **an explanation does not change the fact that a decision was made not to examine, install, or correct.** That decision was made because of improper incentive.

It is important to remember that incentives not to perform are as equal in their power to motivate as incentives to perform. For the most part, the decision to prevent/correct a potential violation versus a "who cares" posture is governed by whichever incentive is the strongest.

It is well known that each mine establishes internal priorities. Duties, responsibilities and activities identified by a mine as priorities almost always get done because management devotes the time, money, and resources necessary to get them done. Conversely, when a mine experiences incentive violations it hasn't placed violations high enough on the priority list to send the message to employees, "We expect you to comply with the law."

CAUSE D - INCENTIVE

A mine that experiences incentive violations is, by definition, a mine which does not give compliance with the law a high priority.

The following incentive citations were issued at a mine that did not place a high priority on violations:

Example #14-
75.202 (a)

Inadequate roof support was being provided in 3rd Right 001 Section. In the No. 1 Entry a bearing plate to a 6-foot conventional roof bolt installed in the required 4 1/2-foot pattern had been sheared off by the continuous mining machine causing the distance between adequate roof supports to be 7 feet length-wise and 5 feet, 3 inches from the rib line. Also, in one location in the 2nd Crosscut outby the face in the Nos. 1 and 2 Entries, a bearing plate was dis-lodged by moving equipment, causing the plate to be 5 inches from the mine roof. The distance between adequately installed roof supports in the area was 7 feet crosswise and 8 feet lengthwise. All measurements were made with a tape rule.

Additional Information

Both the miner operator and helper stated that they knew about the damaged bolt, but did not want to remove the miner from the face. Both were aware that the roof control plan required them to do so.

Example #15-
77.405(b)

The left trunnion (pin or pivot) was not securely blocked in position on the Clark 280 dozer, Co. No. 1000, in the maintenance shop. Evidence indicated a welder was working on the improperly blocked equipment.

Additional Information

Adequate blocking was available but not used. The arm had been blocked in this position for approximately one week. The welder stated that he~~/she~~ blocked the trunnion in this manner because it was easier and quicker.

Example #16-In the third right 001 section, the air currents in the belt conveyor entry are being used to ventilate
75.326 the active working places. The condition is caused due to a check curtain being poorly installed in the No. 4 entry, and an opening not being made in the permanent stopping separating the intake and return air entries.

Additional Information

The check curtain, although in good condition, was not installed properly and no block had been left out of the stopping to vent the belt. There was plenty of air on the section. The miner operator said they always had trouble getting the utility people to re-hang curtain properly. The scoop operator said he didn't see the problem because the foreman never said anything about it.

Example #17-Sensors responding to a temperature rise are not installed in the warning system at the beginning of
75.1103-4 the 9 left conveyor belt for a distance of approximately 250 feet inby the beginning of the belt flight.

Additional Information

Company inspection reports had noted the absence of sensors. A copy was sent to the mine foreman three weeks earlier, but the foreman had not acted upon it. The mine foreman said the sensors were on his list, but other priorities had kept him from getting the work assigned.

If it is determined that the violation was caused by someone **deciding not to** (1) examine, (2) install, or (3) correct, log it under **incentive**.

CAUSE OF EXAMINATION PROBLEM

The following questions may be helpful in determining cause if the citation indicates an **examination** problem:

Information	Was the examiner informed of what, where, when and how to examine?
Training	Was the examiner trained in a manner to enable him to examine what, where, when and how?
Tools/ Materials	Were the tools and materials, necessary to make the examination, available?
Incentive	Did the examiner know what, where, when and how to examine; have the skills to make the examination; have the tools and materials to make the examination; but for whatever reason, decide not to make the examination as required?

CAUSE OF INSTALLATION PROBLEM

The following questions may be helpful in determining cause if the citation indicates an **installation** problem:

Information	Was the installer informed of what, where, when and how the installation was to be made?
Training	Was the installer trained in a manner to enable him to make the installation where, when and how it was required to be made?
Tools/ Materials	Were the tools and materials, necessary to make the installation, available?
Incentive	Did the installer know what, where, when and how the installation was to be made; have the skills to make the installation; have the tools/materials to make the installation; but for whatever reason, decide not to make the installation as required?

CAUSE OF CORRECTION PROBLEM

The following questions may be helpful in determining cause if the citation indicates a **correction** problem:

Information	Was the person(s) in a position to make the correction informed of what to correct, when to correct it, where corrections are needed, and how to make the correction?
Training	Was the person(s) in a position to make the correction trained in a manner to enable them to recognize what to correct and be able to make the correction as required?
Tools/ Materials	Were the tools and materials, necessary to make the correction, available?
Incentive	Did the person(s) in a position to make the correction recognize that a correction was needed, know how to make the correction, have the tools and materials needed to make the correction but, for whatever reason, decide not to make the correction as required?

CLASS EXERCISES - DETERMINE THE CAUSES OF THE VIOLATIONS

Read the additional information in the following five citations. Select one of the four causes for each.

A. Information
B. Training
C. Tools/materials
D. Incentive

1. 75.110-2b The fire hose outlet valves along the 11 right section conveyor belt were missing parts and the fire hose could not be connected to the valves. The belt had been in operation.

   Problem: **Installation**

   Additional Information

   Parts used in the initial installation came from a variety of suppliers and the employees making the installation assumed the fittings were interchangeable.

   Cause: _____

2. 77.1104 There are excessive accumulations of oil and coal dust located on the floor, walls and belt takeup located in the pump house at the pit mouth at the belt entry.

   Problem: **Correction**

   Additional Information

   The dragline personnel were aware of this condition. A clean-up program is posted but no one knows how to repair the oil leaks.

   Cause: _____

3. 75-202 Additional roof supports were needed along the 11 left section belt between breaks 12 and 13 where the roof showed signs of shearing along the walkway, for a distance of 25 feet.

Problem: **Correction**

Additional Information

The pre-shift examiner (a temporary foreman who made his/her first fire boss run) was called out two hours before the shift and asked to make the examination. The examiner stated he/she looked at the area, observed the condition, saw that the entry was bolted on pattern and assumed it was okay.

Cause:_____

4. 75-1103-4 Fire sensors responding to temperature rise were not installed in the warning system at the beginning of the 9 left conveyor belt for a distance of approximately 250 feet inby the beginning of the belt flight.

Problem: **Installation**

Additional Information

Company inspection reports had noted the absence of sensors. A copy was sent to the mine foreman who had not acted on it.

Cause:_____

5. 75-305 A record of the tailgate entry and weekly examinations for the B-9 and E-2 longwall sections are not being kept in a book approved by the secretary. There was no approved book at the mine site to record the examination. Books had been ordered two weeks ago. Approved book Form No. 6-1490.

Problem: **Examination**

Additional Information

The longwall coordinator knew the required examinations had to be recorded in an approved book but the book had disappeared.

Cause:_____

A. INFORMATION LOG SHEET

PROBLEM: 1-Examination, 2-Installation, 3-Correction

Type Action: (Examples) 104(a) Citation 104(d) Order	A. INFORMATION SUMMARY OF VIOLATIONS	PROB. 1-3
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		

B. TRAINING LOG SHEET

PROBLEM: 1-Examination, 2-Installation, 3-Correction

Type Action: (Examples) 104(a) Citation 104(d) Order	B. TRAINING SUMMARY OF VIOLATIONS	PROB. 1-3
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		

C. TOOLS/MATERIALS LOG SHEET

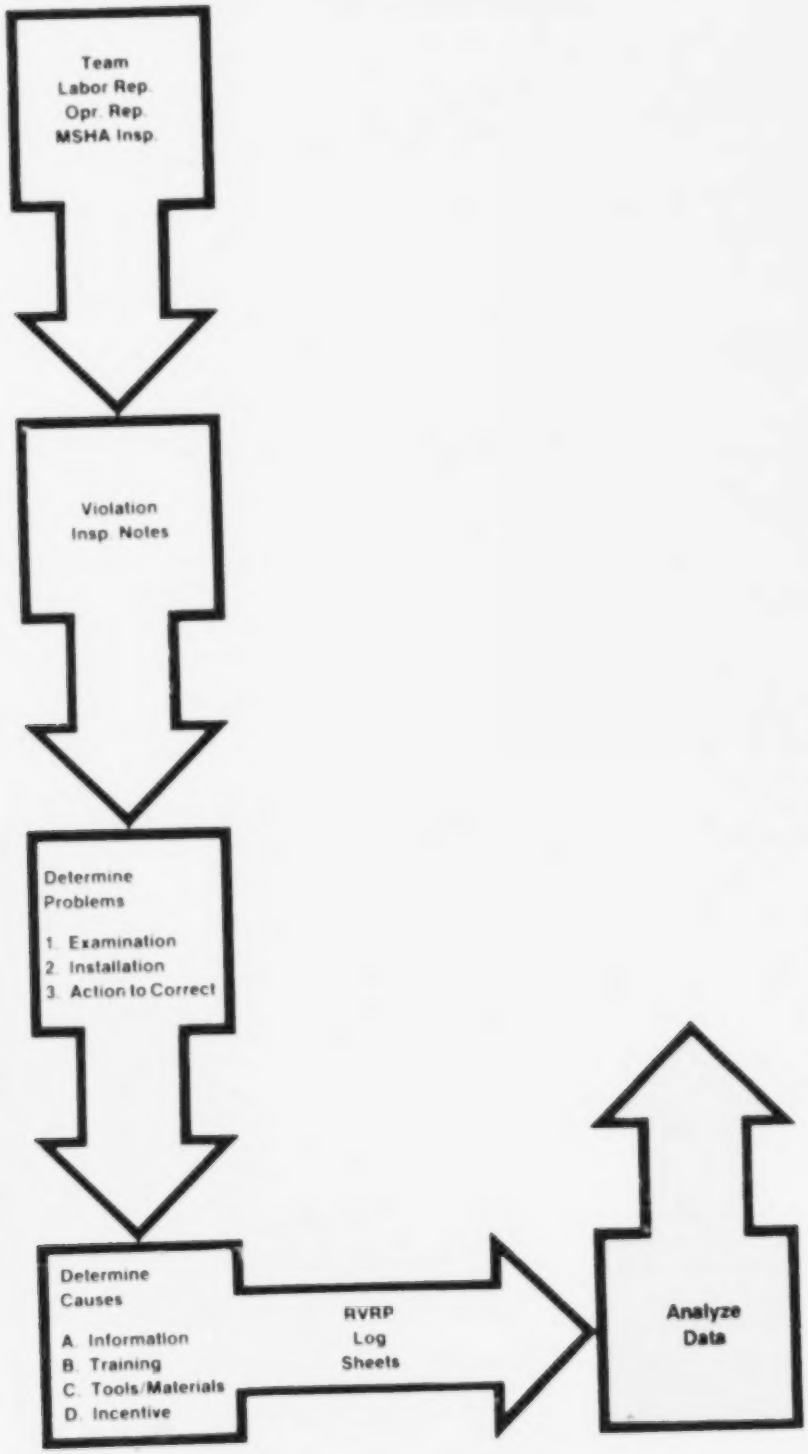
PROBLEM: 1-Examination, 2-Installation, 3-Correction

Type Action: (Examples) 104(a) Citation 104(d) Order	C. TOOLS/MATERIALS SUMMARY OF VIOLATIONS	PROB. 1-3
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		

D. INCENTIVE LOG SHEET

PROBLEM: 1-Examination, 2-Installation, 3-Correction

Type Action: (Examples) 104(a) Citation 104(d) Order	D. INCENTIVE SUMMARY OF VIOLATIONS	PROB. 1-3
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		


Team
Labor Rep.
Opr. Rep.
MSHA Insp.
Violation
Insp. Notes
Determine
Problems
1. Examination
2. Installation
3. Action to Correct
Determine
Causes
A. Information
B. Training
C. Tools/Materials
D. Incentive
RVRP
Log
Sheets
Analyze
Data

VIOLATION ANALYSIS

While the overall purpose of RVRP analysis is to determine what is causing citations and identify how to eliminate those causes, the analysis is performed on three basic levels.

The first level analysis is done at the conclusion of each day's inspection. The RVRP team:

- reviews the citations
- discusses circumstances surrounding each
- determines problem/cause
- records that decision on the log sheet.

The second level analysis (interim) occurs at regular intervals during the inspection (two weeks for example). The RVRP team reviews the group of violations accumulated during the prior inspection period. Discussion centers around major cause groups and ideas are generated about how to eliminate causes of violations (information, training, tools/materials, incentives). Notes from each interim analysis are accumulated and used in the final analysis.

The final analysis (third level) is conducted at the conclusion of the complete inspection. At this level, data, notes, and insights obtained from all RVRP activities are consolidated to allow the team to build on the previous RVRP work. Consideration of everything learned about the nature of the mine's violations allows the team to construct the big picture by separating violations into two groups.

Citations which can be eliminated by:

- Omitting the need to make the examination, installation, or correction.

OR

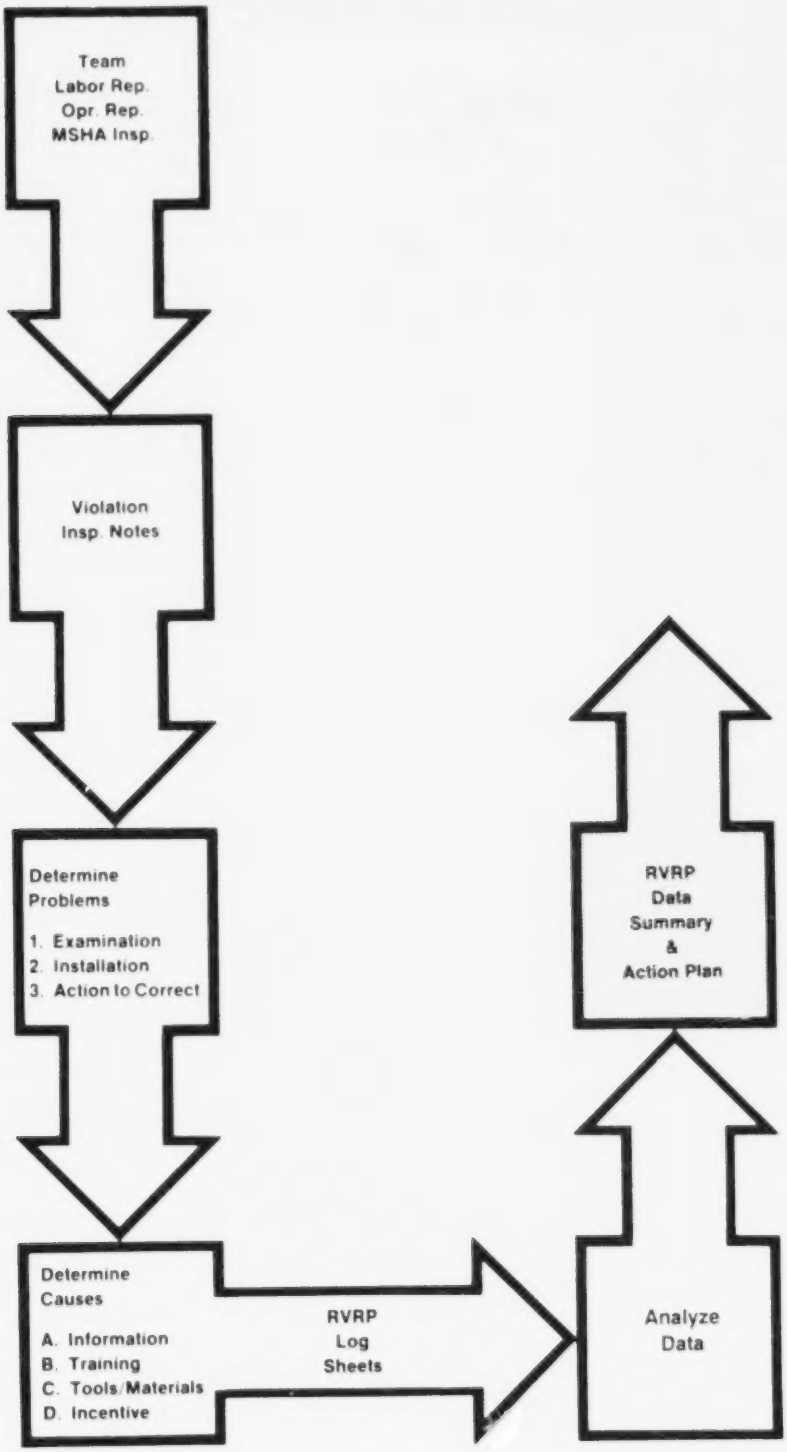
- Omitting the cause of a failure to examine, install, and correct.

If changes in procedure, method, design, process, structure or configuration can eliminate the need to make an examination, installation, or correction, citations which result from a failure to perform these functions can be eliminated.

Citations which do not lend themselves to the first remedy can only be eliminated by correcting the deficiency that caused them: information, training, tools/materials, incentive.

VIOLATION ANALYSIS

The RVRP team should attempt to separate violations into the two groups, identify actions which can be taken to eliminate them, and quantify the impact of any proposed solutions.


Team
Labor Rep.
Opr. Rep.
MSHA Insp.
Violation
Insp. Notes
Determine
Problems
1. Examination
2. Installation
3. Action to Correct
Determine
Causes
A. Information
B. Training
C. Tools/Materials
D. Incentive
RVRP
Log
Sheets
Analyze
Data
RVRP
Data
Summary
&
Action Plan

RVRP DATA SUMMARY AND ACTION PLAN

The RVRP Data Summary and Action Plan brings together the work of determining cause, determining problem, analyzing cause, and identifying solutions. Complete the top half of the form by recording the number of citations in each cause/problem area on the analysis form. This pictorial display of citation cause serves as a quick and easy reference to where the major problems are and what is causing them. The second half of the form, and any necessary continuation sheets, capture the best ideas which come out of the analysis and represent the company's plan to attack the causes of violations.

The form becomes very useful to the inspector when discussing with the company the causes, problems, and solutions. For instance, if the majority of citations appear in the incentive category but the company plans to reduce violations by beefing up training, the inspector should be in a position to point out why the plan will not be successful.

RVRP DATA SUMMARY AND ACTION PLAN

Mine Name: _____ Quarter: _____

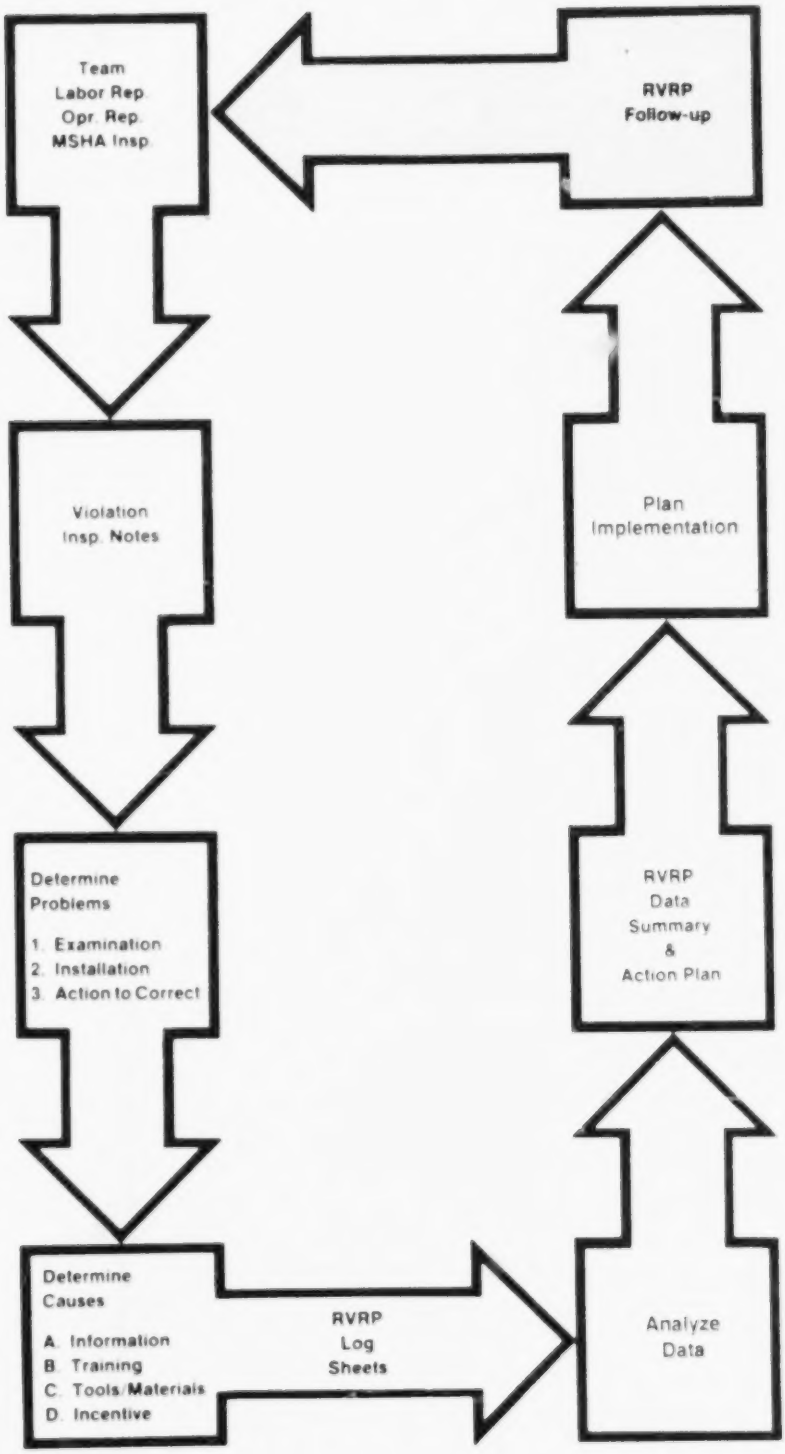
A. INFORMATION CAUSE		B. TRAINING CAUSE		C. TOOLS/MATERIALS CAUSE		D. INCENTIVE CAUSE		PROBLEM AREAS	
Failure to Examine 1A		Failure to Examine 1B		Failure to Examine 1C		Failure to Examine 1D		EXAMINATION TOTAL 1	
Failure to Install 2A		Failure to Install 2B		Failure to Install 2C		Failure to Install 2D		INSTALLATION TOTAL 2	
Failure to Correct 3A		Failure to Correct 3B		Failure to Correct 3C		Failure to Correct 3D		CORRECTION TOTAL 3	
TOTAL A		TOTAL B		TOTAL C		TOTAL D			

PLANS TO ELIMINATE THE CAUSES OF VIOLATIONS AT THIS MINE INCLUDE:

Short Range:

Long Range:

Inspector's Comments:


Team
Labor Rep.
Opr. Rep.
MSHA Insp.
RVRP
Follow-up
Violation
Insp. Notes
Plan
Implementation
Determine
Problems
1. Examination
2. Installation
3. Action to Correct
RVRP
Data
Summary
&
Action Plan
Determine
Causes
A. Information
B. Training
C. Tools/Materials
D. Incentive
RVRP
Log
Sheets
Analyze
Data

RVRP FOLLOWUP SUMMARY

Parties involved in the RVRP find it necessary to track progress. Everyone likes to be able to say we are doing better and be able to produce some measurable evidence to that fact. The followup summary accomplishes that and much more. It allows for a closer analysis of which elements of the plan are working, and which are not. It permits an examination of why some things are working and others are not. Above all, it gives us the encouragement we all need that comes from seeing progress from the effort made to implement and follow through with the RVRP.

RVRP FOLLOW-UP SUMMARY

Mine Name: _____ Quarter: _____

A. INFORMATION CAUSE		B. TRAINING CAUSE		C. TOOLS/MATERIALS CAUSE		D. INCENTIVE CAUSE		PROBLEM AREAS	
Failure to Examine 1A		Failure to Examine 1B		Failure to Examine 1C		Failure to Examine 1D		EXAMINATION TOTAL 1	
Failure to Install 2A		Failure to Install 2B		Failure to Install 2C		Failure to Install 2D		INSTALLATION TOTAL 2	
Failure to Correct 3A		Failure to Correct 3B		Failure to Correct 3C		Failure to Correct 3D		CORRECTION TOTAL 3	
TOTAL A		TOTAL B		TOTAL C		TOTAL D			
PREVIOUS QUARTER TOTAL A		TOTAL B		TOTAL C		TOTAL D			
CHANGE +/-		+/-		+/-		+/-			

Progress on Implementation of Short Range Plans:

Progress on Implementation of Long Range Plans:

Additional Comments:

SUPERVI

Field Office:_____

Supervisor:_____

Ins. Period:_____

Inspector:_____

The following statements need
been made of the last quarter'

1. Have the purpose and goal
yes, how?

2. Have the problem areas be
yes, how?

3. Have the causes of viola
If yes, how?

4. Have all the data (citat
documented on the RVRP S

5. Have short range problem
how?

6. Have long range problem
how?

7. As a supervisor, what
implementing the RVRP,

ISORY REVIEW OF RVRP

_____ Company Name:_____

_____ Mine Name:_____

_____ I.D. Number:_____

_____ Review Date:_____

to be addressed for a proper review to have
s inspections.

ıs of RVRP been implemented at this mine? If

een identified and addressed at this mine? If

ations been identified and addressed properly?

ıtions and orders) been evaluated properly and
Summary and Action Plan? If no, why?

ı solutions been addressed at this mine? If yes,

solutions been addressed at this mine? If yes,

t have you done to assist the inspector in
and how did you assist in problem solution?

CASE STUDY

INCLUDES:

25 CITATIONS WITH ADDITIONAL INFORMATION

VIOLATION LOG SHEETS

RVRP DATA SUMMARY AND ACTION PLAN

FOLLOW UP SUMMARY

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I--Violation Data

1. Date: Mo 10 Da 01 Yr 88 | 2. Time (24 Hr. Clock): 0800 | 3. Citation/Order Number: 3000001

4. Served To | 5. Operator

6. Mine | 7. Mine ID: [ ][ ]-[ ][ ][ ][ ][ ][ ][ ][ ] (Contractor)

8. Condition or Practice | 8a. Written Notice (103(k)) ☐

A record of the tailgate entry weekly examinations for the B-9 and E-2 longwall sections are not being kept in a book approved by the secretary. There was no approved book at the mine site to record the examination. Books had been ordered two weeks ago. Approved book form No. 6-1490. John Jones is the person in charge.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation: A. Health ☐ Safety ☒ Other ☐ | B. Section of Act: [ ][ ][ ][ ]-[ ][ ][ ] | C. Part/Section of Title 30 CFR: 75.305

Section II - Inspector's Evaluation

10. Gravity:

A. Injury or Illness (has/is): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐

B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐

C. Significant and Substantial (See Reverse): Yes ☐ No ☐ | D. Number of Persons Affected: [ ][ ][ ]

11. Negligence (check one):

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104-A-[ ],[ ][ ]-[ ]-[ ] | 13. Type of Issuance (check one): Citation ☐ Order ☐ Safeguard ☐

14. Initial Action:

A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ | E. Citation/Order Number: [ ][ ][ ][ ][ ][ ][ ][ ] | F. Dated: Mo [ ][ ] Da [ ][ ] Yr [ ][ ]

15. Area or Equipment:

16. Termination Due: A. Date: Mo [ ][ ] Da [ ][ ] Yr [ ][ ] | B. Time (24 Hr. Clock): [ ][ ][ ][ ]

Section III - Termination Action

17. Action to Terminate:

18. Terminated: A. Date: Mo [ ][ ] Da [ ][ ] Yr [ ][ ] | B. Time (24 Hr. Clock): [ ][ ][ ][ ]

Section IV - Automated System Data

19. Type of Inspection (activity code): AAA | 20. Event Number: [ ][ ][ ][ ][ ][ ][ ][ ] | 21. Primary or Mill: [ ][ ]

22. Signature: Okey Doke | 23. AR Number: 16522

ADDITIONAL INFORMATION

Citation No. 3000001

The longwall coordinator said that he knew the required examinations had to be recorded in an approved book, but the book had disappeared.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I - Violation Data

1. Date: Mo. 10 Da. 01 Yr. 88 | 2. Time (24 hr. Clock): 1130 | 3. Citation/Order Number: **3000002**

4. Served To:

5. Operator:

6. Mine:

7. Mine ID: - (Contractor)

8a. Written Notice (103g) ☐

8. Condition or Practice:

The fire hose outlet valves along the 11 right section conveyor belt was not being maintained, in that parts of the valve were missing and the fire hose could not be connected to the valves. The belt had been in operation. Wayne Johnson, Foreman.

See Continuation Form (MSHA Form 7000-4) ☐

9. Violation | A. Injury/Illness Safety Order: S ☐ | B. Section of Act: - | C. 30 CFR Section of Title 30 CFR: 75.1100

Section II - Inspector's Evaluation

10. Events:

A. Injury or Illness (Has occurred): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐

B. Injury or Illness could reasonably be expected to be: No Lost Work Days ☐ Lost Work Days or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐

C. Significant and Substantial: See Reverse: Yes ☐ No ☐ | D. Number of Persons Affected:

11. Negligence (Check one):

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104-A- , - - | 13. Type of Issuance (Check one): Citation ☐ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ | E. Citation/Order/Safeguard Number: | F. Dated: Mo. Da. Yr.

15. Area or Equipment:

16. Termination Due: A. Date: Mo. Da. Yr. | B. Time (24 hr. Clock):

Section III - Termination Action

17. Action to Terminate:

18. Terminated: A. Date: Mo. Da. Yr. | B. Time (24 hr. Clock):

Section IV - Automated System Data

19. Type of Inspection (Activity Code): A A A | 20. Event Number: | 21. Inspector ID Number: | 22. Sequence Number: 16523

Okey Doke

MSHA Form 7000-3 (Mar. 85) (Reverse)

ADDITIONAL INFORMATION

Citation No. 3000002

Parts used in the initial installation came from a variety of suppliers, and the employees making the installation assumed the fittings were interchangeable.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I – Violation Data

1. Date	2. Time (24 Hr. Clock)	3. Citation/ Order Number
Mo 10 Da 01 Yr 88	1145	3000003

4. Served To

5. Operator

6. Mine

7. Mine ID – (Contractor)

8. Condition or Practice

8a. Written Notice (103g) ☐

The No.112 battery operated track haulage locomotive does not have a properly maintained automatic coupler on the outby side of the operators compartment, due to the chain is broke and the chain arm is broke off the handle. This condition is causing persons to go between the car and locomotive to uncouple. Hank Smith is the Mine Foreman in charge.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation — A. Health ☐ Safety ☒ Other ☐ — B. Section of Act — C. Part/Section of Title 30 CFR 75.1405

Section II – Inspector's Evaluation

10. Gravity

A. Injury or Illness (has) (is) — No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐

B. Injury or Illness could reasonably be expected to be — No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐

C. Significant and Substantial (See Reverse) Yes ☐ No ☐ — D. Number of Persons Affected

11. Negligence (check one)

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

12. Type of Action 104-A-, — 13. Type of Issuance (check one) Citation ☐ Order ☐ Safeguard ☐

14. Initial Action — A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ — E. Citation/ Order Number — F. Dated Mo Da Yr

15. Area or Equipment

16. Termination Due — A. Date Mo Da Yr — B. Time (24 Hr. Clock)

Section III – Termination Action

17. Action to Terminate

18. Terminated — A. Date Mo Da Yr — B. Time (24 Hr. Clock)

Section IV – Automated System Data

19. Type of Inspection Activity Code: A A A — 20. Event Number — 21. Primary or Mill

22. Signature Okey Hoke — 23. MH Number 16522

ADDITIONAL INFORMATION

Citation No. 3000003

The locomotive operator had reported this to the motor barn three weeks prior to todays date. Materials were on hand to make the repairs.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I – Violation Data

1 Date: Mo 10 Da 01 Yr 88 | 2 Time (24 Hr. Clock): 1230 | 3 Citation/Order Number: **3000004**

4 Served To | 5 Operator

6 Mine | 7 Mine ID: – (Contractor)

8 Condition or Practice | 8a Written Notice (103g) ☐

In the south east mains 001 section, the approved roof control plan is not being complied with because the trailing cable of the standard shuttle car is anchored to a roof bolt that is installed in the required pattern in the cross cut where the first split was made in the No. 10 block. The condition caused the roof bolt to loosen. Delane Chambers, Mine Foreman, is the responsible person.

See Continuation Form (MSHA Form 7000-3a) ☐

9 Violation: A Health ☐ Safety ☒ Other ☐ | B Section of Act: – | C Part/Section of Title 30 CFR: 75.200

Section II – Inspector's Evaluation

10 Gravity:

A Injury or Illness (has) (is): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐

B Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐

C Significant and Substantial (See Reverse): Yes ☐ No ☐ | D Number of Persons Affected:

11 Negligence (check one):

A None ☐ B Low ☐ C Moderate ☐ D High ☐ E Reckless Disregard ☐

12 Type of Action: 104 – A – , – – | 13 Type of Issuance (check one): Citation ☐ Order ☐ Safeguard ☐

14 Initial Action:

A Citation ☐ B Order ☐ C Safeguard ☐ D Written Notice ☐ | E Citation/Order Number: | F Dated: Mo Da Yr

15 Area or Equipment:

16 Termination Due: A Date: Mo Da Yr | B Time (24 Hr. Clock):

Section III – Termination Action

17 Action to Terminate:

18 Terminated: A Date: Mo Da Yr | B Time (24 Hr. Clock):

Section IV – Automated System Data

19 Type of Inspection (activity code): AAA | 20 Event Number: | 21 Primary or Mill:

22 Signature: Okey Doke | 23 AR Number: 16522

MSHA Form 2000-3 Mar 85 (Revised)

ADDITIONAL INFORMATION

Citation No. 3000004

Miners stated that since the area would soon be gob, they saw no need to install another bolt to anchor from.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo. 10 Da. 02 Yr. 88 | 2. Time (24 Hr. Clock): 0800 | 3. Citation/Order Number: **3000005**

4. Served To:

5. Operator:

6. Mine:

7. Mine ID: ___ — ___ (Contractor)

8. Condition or Practice: 8a. Written Notice (103g) ☐

There was a hot, smoking belt roller 75 feet outby the No. 3 belt transfer point. The roller was worn to the extent that the bearings are gone. This condition can and will cause a possible fire. Someone should have observed the roller and had it removed and replaced. Perry Mason was the foreman who examined the belt and Hank Jones is the Mine Foreman in charge.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation: S. Health ☐ Safety ☒ Other ☐ | B. Section of Act: ___ — ___ | C. Part/Section of Title 30 CFR: 75.1725A

Section II—Inspector's Evaluation

10. Gravity:

A. Injury or Illness (has/ likely) No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐

B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐

C. Significant and Substantial (See Reverse) Yes ☐ No ☐ | D. Number of Persons Affected: ___

11. Negligence (check one):

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104 — D — 2, ___ — ___ — ___ | 13. Type of Issuance (check one): Citation ☐ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ | E. Citation/Order Number: ___ | F. Dated: Mo. Da. Yr.

15. Way of Equipment:

16. Termination Due: A. Date: Mo. Da. Yr. | B. Time (24 Hr. Clock): ___

Section III—Termination Action

17. Action to Terminate:

18. Termination: A. Date: Mo. Da. Yr. | B. Time (24 Hr. Clock): ___

Section IV—Automated System Data

19. Type of Inspection (activity code): AAA | 20. Event Number: ___ | 21. Primary or Mill: ___

22. Signature: Ozzy Dokes | 23. AR Number: 16523

ADDITIONAL INFORMATION

Citation No. 3000005

The track man was filling in for the beltman on 3 right. He was instructed to replace frozen rollers at the No. 3 belt transfer point. His experience had been with stationary conveyors but had never worked around suspended belts.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date	Mo	Da	Yr	2. Time (24 Hr. Clock)					3. Citation/ Order Number
	10	02	88		1	1	1	5	3000006

4. Served To | 5. Operator

6. Mine | 7. Mine ID — (Contractor)

8. Condition or Practice | 8a. Written Notice (103g) ☐

A proper pre-shift examination was not conducted on 14 right (MMU047-0) the following conditions were found: (1) a clear walkway at least 24 inches wide on walkway side was not provided beside the longwall stageloader, when measured it was 11 to 15 inches from the coal rib to the stageloader. (2) Accumulations of combustible materials such as loose coal, coal dust, oil and grease was present on and around the longwall tail motor.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation | 9a. Health ☐ Safety ☒ Other ☐ | B. Section of Act — | C. Part/Section of Title 30 CFR 75.303

Section II—Inspector's Evaluation

10. Gravity

A. Injury or Illness (has) (is) ... No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐

B. Injury or Illness could reasonably be expected to be ... No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabled ☐ Fatal ☐

C. Significant and Substantial (See Reverse) Yes ☐ No ☐ | D. Number of Persons Affected

11. Negligence (check one)

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104-A-, | 13. Type of Issuance (check one): Citation ☐ Order ☐ Safeguard ☐

14. Initial Action

A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ | E. Citation/ Order Number | F. Dated | Mo | Da | Yr

15. Area or Equipment

16. Termination Due | A. Date | Mo | Da | Yr | B. Time (24 Hr. Clock)

Section III—Termination Action

17. Action to Terminate

18. Terminated | A. Date | Mo | Da | Yr | B. Time (24 Hr. Clock)

Section IV—Automated System Data

19. Type of Inspection (activity code) AAA | 20. Event Number | 21. Primary or Mill

22. Signature Okey Doke | 23. AR Number 1652 2

MSHA Form 7000-3, Mar 85 (Revised)

ADDITIONAL INFORMATION

Citation No. 3000006

This examination was inadequate due to John Doe just started working at this mine and he was told where to examine and showed on the mine map where to go, but all of John's time in the mines have been located in outby areas or miner sections. This is the first time John examined a longwall section.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I - Violation Data

1. Date: Mo. 10 Da. 03 Yr. 88 | 2. Time (24 Hr. Clock): 1120 | 3. Citation/Order Number: **3000007**

4. Served To | 5. Operator

6. Mine | 7. Mine ID | (Contractor)

8. Citation or Notice | 8a. Written Notice (103g) ☐

Fire hose outlets with valves are not installed at 300 feet intervals in the water line in the 4 left conveyor belt entry between crosscut nos. 31 & 37, a distance of about 600 feet; between crosscut nos. 37 and 43, a distance of about 600 feet; between crosscut nos. 43 & 50, a distance of about 700 feet. Round Head Winslow, Mine Foreman, is the responsible person.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation — Health ☐ Safety ☒ | 9a. Section of Act | 9b. Part/Section of Title 30 CFR: 75.1100 2B

Section II - Inspector Evaluation

10. Gravity

A. Injury or Illness (Fatal) ☐ Lost Workdays ☐ Restricted Duty ☐ No Lost Workdays ☐ | B. Injury or Illness could reasonably be expected to be: Fatal ☐ Permanently Disabling ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐

C. Significant and Substantial (See Reverse) Yes ☐ No ☐ | D. Number of Persons Affected

11. Negligence (Check one)

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104-A- | 13. Type of Issuance (check one): Citation ☐ Order ☐ Safeguard ☐

14. Initial Action:

A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ | E. Citation/Order Number | F. Dated Mo. Da. Yr.

15. Area of Equipment

Section III - Termination Action

16. Termination Date: A. Date Mo. Da. Yr. | B. Time (24 Hr. Clock)

17. Action to Terminate

18. Termination: A. Date Mo. Da. Yr. | B. Time (24 Hr. Clock)

Section IV - Automated System Data

19. Type of Inspection (activity code): AAA | 20. Event Number | 21. Primary or Mill

22. Signature: Okey Dike | 23. AR number: 1652 2

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MSHA Form 7000-3 (May 85) Revised

ADDITIONAL INFORMATION
Citation No. 3000007

No one had instructed the line crew to install the valves at 300' intervals.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I - Violation Data

1. Date	2. Time (24-hr Clock)	3. Citation/Order Number
10 05 88	1245	3000008

4. Served To

5. Operator

6. Mine

7. Mine ID

8. Inspector or Representative

9. Authorized Representative

The F.J. coupler on the drive shaft of the water pressure pump was not guarded to prevent persons from coming in contact with the coupler. The pump was in operation, located along the 5 Mains No.1 conveyor belt. Festus Chambers, Foreman.

Section II - Inspector's Evaluation

11. Violation	12. Injury/Illness	13. Section of Act	14. Part Section of Title 30 CFR
	X		75.1722a

15. Events

A. Injury or Illness Resulted in: No Lost Workdays ☐ Lost Workdays ☐ Permanently Disabling ☐ Fatality ☐

B. Injury or Illness Could Have Resulted in: No Lost Workdays ☐ Lost Work Days or Restricted Duty ☐ Permanently Disabling ☐ Fatality ☐

C. Negligence and Gravity: See Reverse Yes ☐ No ☐ D. Number of Persons Affected

16. Negligence (Check one)

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

17. Type of Action

A. Citation	B. Order	C. Safeguard	D. Section 104(d)
104-A- ,	☐	☐	☐

E. Type of Issuance (check one): Citation ☐ Order ☐ Safeguard ☐

18. If Not Action in Citation ☐ or Order ☐ or Safeguard ☐ or Section 104(d) ☐, Explain

19. Unwarrantable Failure: Yes ☐ No ☐

20. Termination

A. Date	B. Time (24-hr Clock)

Section III - Termination Action

21. Action to Terminate

22. Termination

A. Date	B. Time (24-hr Clock)

Section IV - Automated System Data

23. Type of Inspection (activity code): N N N

24. Event Number

25. Primary or MSHA

26. Operator

Okey Doke

27. Inspector ID Number: 1652 2

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ADDITIONAL INFORMATION
Citation No. 3000008

Evidence indicated that a guard had rever been over the coupler on the new pump. The maintenance chief said the pumper never told him the guard was missing before the pump was put in service.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo 10 Da 05 Yr 88 | 2. Time (24 hr. Clock) 1400 | 3. Citation/Order Number: 3000009

4. Served To | 5. Operator

6. Mine | 7. Mine ID | (Contractor)

8. Condition or Practice | 8a. Written Notice (103j) ☐

The roof and rib control plan was not being complied with in the 11 right intake escapeway between No. 4 and 20 block for a distance of approximately 300 feet in length. The rib bolts were missing on the left side of the entry. There were six (6) rib bolts missing in the crossover entry between 11 and 12 right sections. Frank Carlucci, Mine Foreman, is responsible.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation | A. Health ☐ Safety ☒ Other ☐ | B. Section of Act | C. Part/Section of Title 30 CFR: 75.200

Section II—Inspector's Evaluation

10. Gravity

A. Injury or Illness (Fatal) (Lost No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐

B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐

C. Significant and Substantial (See Reverse) Yes ☐ No ☐ | D. Number of Persons Affected

11. Negligence (check one)

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104-A- , - - | 13. Type of Issuance (check one): Citation ☐ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ | E. Citation/Order Number | F. Dated Mo Da Yr

15. Area or Equipment

16. Termination Due: A. Date Mo Da Yr | B. Time (24 Hr. Clock)

Section III—Termination Action

17. Action to Terminate

18. Terminated: A. Date Mo Da Yr | B. Time (24 Hr. Clock)

Section IV—Automated System Data

19. Type of Inspection (activity code): A A A | 20. Event Number | 21. Primary or MSHA

22. Signature: Clay Doke | 23. SW Number: 16522

MSHA Form 7000-3 May 85 (Revised)

ADDITIONAL INFORMATION

Citation No. 3000009

Rib bolts had been installed on both sides of this area, but just had not been done in the cited areas. The foreman responsible stated that he was working short-handed and thought he could catch it later.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo 1 0 Da 0 6 Yr 8 8 | 2. Time (24 Hr. Clock): 0 8 0 0 | 3. Citation/Order Number: **3000010**

4. Served To | 5. Operator

6. Mine | 7. Mine ID — (Controller)

8. Condition or Practice | 8a. Written Notice (103(j)) ☐

The results of the fire drills were not being recorded for the day shift for the 10 Right and 11 Right sections. The last date recorded was 4/4/87. Tom Kress, Foreman.

9. Violation: Yes ☒ | 9. Section of Act — | 9. Part Section of Title 30 CFR: 7 5 . 1 1 0 1 2 3

Section II. Inspector's Evaluation

10. Gravity

A. Injury or Illness (Part IV): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐

B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐

C. Significant and Substantial (See Reverse): Yes ☐ No ☐ | D. Number of Persons Affected

11. Negligence (Check one)

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 1 0 4 — A — , — — | 13. Type of Issuance (check one): Citation ☐ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ | E. Citation/Order Number | F. Dated: Mo Da Yr

15. Area of Equipment

16. Termination Due: A. Date: Mo Da Yr | B. Time (24 hr. Clock)

Section III. Termination Action

17. Action to Terminate

18. Termination: A. Date: Mo Da Yr | B. Time (24 hr. Clock)

Section IV. Automated System Data

19. Type of Inspection (actively mine): A A A | 20. Event Number | 21. Primary or MNM

22. Signature: Okey Doke | 82 | 23. MH Number: 1 6 5 2 4

MSHA Form 7000-3 (Rev. 6) Revised)

ADDITIONAL INFORMATION

Citation No. 3000010

The record was just not kept and no one knew to check it. The safety department had a calendar in the foreman's office to remind the section foreman of the drills, and the section foreman thought the safety department kept the records.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I - Violation Data

1. Date (Mo / Da / Yr)	2. Time (24 hr. Clock)	3. Citation/Order Number
10 / 07 / 88	1820	3000011

4. Served To

5. Operator

6. Mine

7. Mine ID — (Contractor)

8. Citation or Practice

8a. Written Notice (103j) ☐

The following locations need additional roof support in the 1 Left Mains return aircourse: 75 feet inby station spad No. 247 in the No. 8 Entry. Jonas Moore, Mine Foreman, is responsible.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation: A. Health ☐ Safety ☒ Other ☐ | B. Section of Act | C. Cite Section of Title 30 CFR: 75.200

Section II - Inspector's Evaluation

10. Gravity

A. Injury or Illness (Fatal or): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐

B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐

C. Significant and Substantial (See Reverse): Yes ☐ No ☐ | D. Number of Persons Affected

11. Negligence (Check one)

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104 - A - , - -

13. Type of Issuance (check one): Citation ☐ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ | E. Citation/Order Number | F. Dated (Mo / Da / Yr)

15. Way of Abatement

16. Termination Due: A. Date (Mo / Da / Yr) | B. Time (24 hr. Clock)

Section III - Termination Action

17. Action to Terminate

18. Terminated: A. Date (Mo / Da / Yr) | B. Time (24 hr. Clock)

Section IV - Automated System Data

19. Type of Inspection (activity code): A A A | 20. Event Number | 21. Primary or Mill

22. Signature: Okey Doke

23. AR Number: 1652 2

MSHA Form 7000-3 (V-88) (Revised)

ADDITIONAL INFORMATION

Citation No. 3000011

The shift foreman had instructed the timber foreman that additional roof support was needed in the area. The timber foreman could not find the area that needed support because he was not told the station No. location.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo 10 Da 11 Yr 88 | 2. Time (24 hr. Clock): 1740 | 3. Citation/Order Number: 3000012

4. Issued To:

5. Operator:

6. Mine:

7. Mine ID: – (Contractor)

8. Condition or Practice: 8a. Written Notice (103g): ☐

There is an accumulation of dry, fine coal deposited on the mine floor in one location in the No. 2 main conveyor belt entry located just inby the drive unit. The accumulation was from 6 to 10 inches in depth, 23 feet in length, and from 2 to 5 feet in width. Robert Geronimo, Mine Superintendent is the responsible person.

A. Violation of: Health ☐ Safety ☒ | B. Section of Act: – | C. Part/Section of Title 30 CFR: 75.400

Section II—Inspector's Evaluation

9. Likelihood:

A. Injury or Illness (Most Likely): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐

B. Injury or Illness Could Reasonably Be Expected to Be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐

C. Violation Was Significant and Substantial (See Reverse): Yes ☐ No ☐ D. Number of Persons Affected:

10. Negligence (Check One):

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

11. Type of Action: 104 – A – , – – | 12. Type of Issuance (Check One): Citation ☐ Order ☐ Safeguard ☐

13. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ | E. Citation/Order Number: | F. Dated: Mo Da Yr

14. Area of Equipment:

15. Termination Due: A. Date: Mo Da Yr | B. Time (24 hr. Clock):

Section III—Termination Action

16. Action to Terminate:

17. Terminated: A. Date: Mo Da Yr | B. Time (24 hr. Clock):

Section IV—Automated System Data

18. Type of Inspection (Activity Code): AAA | 20. Event Number: | 21. Primary or Mill:

22. Signature: Okey Doke | 23. MI Number: 16522

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MSHA Form 7000-3 (Apr 89) (Revised)

ADDITIONAL INFORMATION

Citation No. 3000012

The pre-shift examiner reported the spillage to the person designated to correct the condition, but the person misunderstood the location and cleaned in a different area.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I - Violation Data

1. Date: MO 10 DA 10 YR 88 | 2. Time (24 hr. Clock): 0900 | 3. Citation/Order Number: 3000013

4. Served To:

5. Operator:

6. Mine:

7. Mine ID: - (Contractor)

8. Condition or Practice:

8a. Written Notice (103g): ☐

In the south east mains 001 section a follow-up inspection revealed that there was little or no effort made on the operation to clean and remove from the mine the combustible materials stipulated in citation number 2705005 issued on 8/10/88 and extended 8/11/88. The afternoon shift 8/11/88 mined and hauled coal in the section removing the coal pillars in one complete block. The afternoon shift was not informed the violation was due and was to be abated. Round Head Winslow, Mine Foreman, is the responsible person.

9. Violation: A. Health ☐ Safety ☒ | B. Section of Act: - | C. Part/Section of Title 30 CFR: 75.400

Section II - Inspector's Evaluation

10. Gravity:

A. Injury or Illness (Most Likely): No Lost Workdays ☐ Lost Workdays ☐ Permanently Disabling ☐ Fatal ☐

B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐

C. Significant and Substantial (See Reverse): Yes ☐ No ☐ D. Number of Persons Affected:

11. Negligence (Check one):

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

12. Type of Section: 104 - A - , - -

13. Type of Issuance (check one): Citation ☐ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ E. Citation/Order Number | F. Date/Time: MO DA YR

15. Description:

16. Termination Due: A. Date: MO DA YR | B. Time (24 hr. Clock)

Section III - Termination Action

17. Action to Terminate:

18. Terminated: A. Date: MO DA YR | B. Time (24 hr. Clock)

Section IV - Automated System Data

19. Type of Inspection (activity code): A A A | 20. Event Number | 21. Primary or Mill

22. Signature: Okey Doke | 23. I.D. Number: 16522

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MSHA Form 7000-3 (Revised)

ADDITIONAL INFORMATION

Citation No. 3000013

Management failed to properly instruct the on-coming shift foreman as to the locations where the spillage was to be cleaned.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I - Violation Data

1. Date: Mo. 10 Da. 17 Yr. 88 | 2. Time (24-hr. Clock): 1630 | 3. Citation/Order Number: **3000014**

4. Served To: | 5. Operator:

6. Mine: | 7. Mine ID: – | (Contractor)

8. Citation or Order Issued: | 9a. Written Notice (103(a)):

The brakes were defective on the Ford water truck, Company number 100, when tested in the coal loading area at Pit 002-0. The truck was parked at the time of inspection, however, the truck driver had driven the vehicle to the work site at the beginning of the shift. The company continued to operate the vehicle until cited and then removed it from service.

See Continuation Form, Mine Form 7000-4a, on

9. Violation: | a. Health: ☒ Safety: ☐ | b. Section of Act: – | c. Part/Section of Title 30 CFR: 77.1605 b

Section II - Inspector's Evaluation

10. Gravity:

A. Injury or Illness (Fatal): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐

B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabled ☐ Fatal ☐

C. S&S (Yes or No): Yes ☐ No ☐ | D. Number of Persons Affected:

11. Negligence (Check one):

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104 – A – , – – | 13. Type of Issuance (Check one): Citation ☐ Order ☐ Safeguard ☐

14. Initial Action:

A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ | E. Citation/Order/Safeguard Number: | F. Dated: Mo. Da. Yr.

15. Area or Equipment:

16. Termination Due: | A. Date: Mo. Da. Yr. | B. Time (24-hr. Clock):

Section III - Termination Action

17. Action to Terminate:

18. Terminated: | A. Date: Mo. Da. Yr. | B. Time (24-hr. Clock):

Section IV - Automated System Data

19. Type of Inspection (Activity code): AAA | 20. Event Number: | 21. Primary or Mine:

22. Signature: Okey Duke | 23. ID Number: 1652 2

MSHA Form 7000-3 (Mar. 85) (Revised)

ADDITIONAL INFORMATION

Citation No. 3000014

The truck driver told a mechanic but did not report to his supervisor that the brakes were worn out. He continued to drive the truck for approximately one week. The truck is used to water the roadways approximately once a shift. The foreman claimed not to be aware of the problem and stated that every man on the property knew of the company policy against operating defective equipment.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I - Violation Data

| | | |

ADDITIONAL INFORMATION

Citation No. 3000015

When the derail had been damaged, it had been removed and no one had bothered to replace or repair it. Foreman in charge stated that after seeing the damage from one runaway he didn't think the derail would make much difference, so why replace it?

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I – Violation Data

1. Date: Mo 1 0 Da 1 7 Yr 8 8 | 2. Time (24 Hr. Clock): 1 7 3 0 | 3. Citation/Order Number: **3000016**

4. Served To | 5. Operator

6. Mine | 7. Mine ID | (Contractor)

8. Condition or Practice | 8a. Written Notice (103(j)) ☐

There is an accumulation of loose fine coal and coal dust deposited on the electric motors, reduction gear boxes, drive structure and floor of the east mains coal conveyor belt. The accumulation is approximately 6 inches in depth, 6 feet wide and 12 feet in length. This condition creates a fire hazard. The person responsible is Joe Bannono, Belt Foreman.

9. Violation | A. Health ☐ Safety ☒ | B. Section of Act | C. Part Section of Title 30 CFR: 7 5 . 4 0 0

Section II – Inspector's Evaluation

10. Likely

A. Injury or Illness (Most Likely): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐

B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐

C. Violation was Substantial (See Reverse): Yes ☐ No ☐ | D. Number of Persons Affected

11. Negligence (Check one)

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 1 0 4 – A – , – – | 13. Type of Issuance (Check one): Citation ☐ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ | E. Citation/Order Number | F. Dated Mo Da Yr

15. Area of Coal Mine

16. Termination Due: A. Date Mo Da Yr | B. Time (24 Hr. Clock)

Section III – Termination Action

17. Actions of Foreman

18. Terminated: A. Date Mo Da Yr | B. Time (24 Hr. Clock)

Section IV – Automated System Data

19. Type of Inspection (activity code): A A A | 20. Event Number | 21. Primary or Mill

22. Signature: Okey Doke | 23. MSHA Number: 1 6 5 2 2

MSHA Form 2000-3 M 85 (Revised)

ADDITIONAL INFORMATION

Citation No. 3000016

The condition was caused by excess air coming up through the bin feeder. A belt air lock would have prevented accumulation. This was recommended to management during the last inspection, but they said they didn't see a need for.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I - Violation Data

1. Date	2. Time (24 hr. Clock)	3. Citation/Order Number
10 17 88	1800	3000017

4. Issued To

5. Operator

6. Mine

7. Mine ID — (Contractor)

8. Condition or Practice

8a. Written Notice (103(j)) ☐

A substantially constructed canopy was not provided for the Joy continuous mining machine being operated on the 11 left section, in that one (1) of the four (4) legs was broken or damaged to the canopy, which would be less effective should a roof or rib roll fall onto the canopy, protecting the operator of the equipment. Marvin Seltzer, Maintenance Foreman, is responsible.

See Continuation Form(s) Yes ☐ No ☐

9. Unwarrantable Failure: Yes ☒ — 10. Section of Act: — 11. Part Section of Title 30 CFR: 75.1710

Section II - Inspector's Evaluation

12. Degree of Injury/Illness Potential: Yes Lost Workdays ☐ Reduced ☐ Permanently Disabling ☐ Fatality ☐ Highly Likely ☐ Reasonably Likely ☐ Unlikely ☐

13. Number of Persons Affected: Yes Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐

14. Negligence: Yes ☐ No ☐ — 15. Number of Persons Affected:

16. Type of Violation: S ☐ — W ☐ — C (Moderate) ☐ — H ☐ — E (Reckless Disregard) ☐

17. Type of Issuance (Check one): Citation ☐ Order ☐ Withdrawal ☐

17. Type of Violation: 104 - A - , — —

18. Action Taken: W ☐ — O ☐ — C (Safeguard) ☐ — D (Written Notice) ☐ — E. Citation/Order Number — F. Date

19. Basis for Judgment

20. Terminated by Order — A. Date — B. Time (24 hr. Clock)

Section III - Termination Action

21. Subsequent Terminations

22. Terminated — A. Date — B. Time (24 hr. Clock)

Section IV - Automated System Data

23. Type of Inspection: Safety Order: AAA — 24. Event Number — 25. Primary or Mine

26. Signature: Okey Boke — 27. Area Number: 16522

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MSHA Form 7000-3 (Revised)

ADDITIONAL INFORMATION

Citation No. 3000017

Employees had observed the condition of the canopy and reported it to management, but no action had been taken to repair it.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I–Violation Data

1. Date: Mo 10 Da 17 Yr 88 | 2. Time (24 Hr. Clock): 1820 | 3. Citation/Order Number: **3000018**

4. Served To | 5. Operator

6. Mine | 7. Mine ID: – (Contractor)

8. Condition or Practice | 8a. Written Notice (103g) ☐

The following locations need additional roof support beginning at spad No. 75 in No 1 entry, section 001 and extending inby for a distance of 30 feet.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation: A. Health ☐ Safety ☒ Other ☐ | B. Section of Act: – | C. Part/Section of Title 30 CFR: 75.200

Section II. Inspector's Evaluation

10. Gravity

A. Injury or Illness (has) list: No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐

B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐

C. Significant and Substantial (See Reverse): Yes ☐ No ☐ | D. Number of Persons Affected:

11. Negligence (check one)

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104–A– , – – | 13. Type of Issuance (check one): Citation ☐ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ | E. Citation/Order Number | F. Dated: Mo Da Yr

15. Area or Equipment

16. Termination Due: A. Date: Mo Da Yr | B. Time (24 Hr. Clock)

Section III. Termination Action

17. Action to Terminate

18. Terminated: A. Date: Mo Da Yr | B. Time (24 Hr. Clock)

Section IV. Automated System Data

19. Type of Inspection (activity code): AAA | 20. Event Number | 21. Primary or Mill

22. Signature: Okey Doke | 23. Aff. Number: 16522

98

MSHA Form 7000-3, May 85 (Revised)

ADDITIONAL INFORMATION

Citation No. 3000018

The shift foreman had instructed the timber foreman that additional support was needed in one area. The timber foreman could not find the area that needed the support. This mine has ten active sections and a longwall. Two unintentional roof falls have occurred on this section within the past four months.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo 10 Da 20 Yr 88 | 2. Time (24-hr. Clock): 1120 | 3. Citation/Order Number: **3000019**

4. Served To:

5. Operator:

6. Mine:

7. Mine ID: [ ] – [ ] (Contractor)

8. Citation or Practice:

8a. Written Notice (103(j)) ☐

The continuous mining machine (No. 1) being operated in the Mains Section was found with 7 water sprays plugged up out of 24 sprays. This is more than 10%. Terry Smith is the continuous miner operator. Mike Cash is the foreman in charge. This is a violation of the ventilation-dust control plan. A possible dust ignition could occur from this type of condition.

See Continuation Form, MSHA Form 7000-3a? ☐

9. Violation Is Result of: Safety Defect ☐ Health ☒ | 9a. Section of Act: [ ] – [ ] | 9b. Part/Section of Title 30 CFR: 75.316

Section II—Inspector's Evaluation

10. Injury:

A. Injury or Illness (Most Likely): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐

B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐

C. Significant and Substantial (See Reverse): Yes ☐ No ☐ | D. Number of Persons Affected: [ ]

11. Negligence (Check one):

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104 – A – , – – – | 13. Type of Issuance (check one): Citation ☐ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ | E. Citation/Order Number: [ ] | F. Dates: Mo Da Yr

15. Area of Violation:

16. Termination Due: A. Date: Mo Da Yr | B. Time (24-hr. Clock): [ ]

Section III—Termination Action

17. Action to Terminate:

18. Terminated: A. Date: Mo Da Yr | B. Time (24-hr. Clock): [ ]

Section IV—Automated System Data

19. Type of Inspection (Activity Code): A A A | 20. Event Number: [ ] | 21. Primary or Mill: [ ]

22. Signature: Okey Doke | 23. MA Number: 1 6 5 2 2

100

MSHA Form 7000-3 May 85 (Revised)

ADDITIONAL INFORMATION

Citation No. 3000019

Both the miner operator and his helper stated that they noticed the plugged sprays before they began mining. But because frozen water lines delayed them from getting into the coal for three hours they could just go ahead and run it anyway.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1 Date: Mo 1 0 Da 2 0 Yr 8 8 | 2 Time (24 Hr. Clock): 1 2 3 0 | 3 Citation/Order Number: 3000020

4 Served To | 5 Operator

6 Mine | 7 Mine ID | (Contractor)

8a Written Notice (103g) ☐

8 Condition or Practice

Coal dust was permitted to accumulate upon the floor in the draw-off tunnel. The area was 200 feet by 20 feet in the South preparation plant.

See Continuation Form (MSHA Form 7000-3a) ☐

9 Violation | A Health ☐ Safety ☒ Other ☐ | B Section of Act | C Part/Section of Title 30 CFR: 7 7 . 2 0 2

Section II—Inspector's Evaluation

10 Gravity

A Injury or Illness (has) (is): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐

B Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐

C Significant and Substantial (See Reverse): Yes ☐ No ☐ | D Number of Persons Affected

11 Negligence (check one)

A None ☐ B Low ☐ C Moderate ☐ D High ☐ E Reckless Disregard ☐

12 Type of Action: 1 0 4 – A – , – –

13 Type of Issuance (check one): Citation ☐ Order ☐ Safeguard ☐

14 Initial Action: A Citation ☐ B Order ☐ C Safeguard ☐ D Written Notice ☐ | E Citation/Order Number | F Dated: Mo Da Yr

15 Area or Equipment

16 Termination Due: A Date: Mo Da Yr | B Time (24 Hr. Clock)

Section III—Termination Action

17 Action to Terminate

18 Terminated: A Date: Mo Da Yr | B Time (24 Hr. Clock)

Section IV—Automated System Data

19 Type of Inspection (activity code): A A A | 20 Event Number | 21 Primary or Mill

22 Signature: Okey Doke | 23 MA Number: 1 6 5 2 2

MSHA Form 7000-3 Mar. 85 (Revised)

ADDITIONAL INFORMATION

Citation No. 3000020

The Merrick scale, which automatically adjusts coal flow, had broken down, and the parts to repair it were on back order. The shift foreman stated he was not aware of an alternative method to control the coal flow into the plant. The stacker operator had to manually control the flow of coal and could not leave the control room to clean the tunnel.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date: Mo. 10 Da. 02 Yr. 88 | 2. Time (24 Hr. Clock): 1300 | 3. Citation/Order Number: **3000021**

4. Served To:

5. Operator:

6. Mine:

7. Mine ID: – (Contractor)

8a. Written Notice (103g): ☐

8. Condition or Practice:

The roof control plan was not being complied with in the 3rd right 001 section. In the No. 1 entry a bearing plate to a 6-foot conventional roof bolt installed in the required 4-1/2 foot pattern had been sheared off by the continuous mining machine causing the distance between adequate roof supports to be 7' lengthwise and 5' 3" from the rib line. Also, in one location in the 2nd crosscut outby the face between No. 1 & 2 entries, a bearing plate was dislodged by moving equipment causing the plate to be 5" from the mine roof. The distance between adequately installed roof supports in the area was 7' crosswise and 8' lengthwise. All measurements were made with a tape rule.

See Continuation Form (MSHA Form 7000-3a): ☐

9. Standard: A. Health ☐ Safety ☒ Other ☐ | B. Section of Act: – | C. Part/Section of Title 30 CFR: 75.200

Section II—Inspector's Evaluation

10. Likelihood:
A. Injury or Illness (Fatal) (S): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐
B. Injury or Illness could reasonably be expected to be: Non Lost Workdays ☐ Lost Work days or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐
C. Unwarrantable and Substantial (See Reverse): Yes ☐ No ☐ D. Number of Persons Affected:

11. Negligence (Check one):
A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104–A– , – – 13. Type of Issuance (check one): Citation ☐ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ E. Citation/Order Number: F. Dated: Mo. Da. Yr.

15. Area or Equipment:

16. Termination Due: A. Date: Mo. Da. Yr. | B. Time (24 Hr. Clock):

Section III—Termination Action

17. Action to Terminate:

18. Terminated: A. Date: Mo. Da. Yr. | B. Time (24 Hr. Clock):

Section IV—Automated System Data

19. Type of Inspection (activity code): A A A | 20. Event Number: | 21. Primary or Mill: | 23. AR Number: 165522

22. Signature:

MSHA Form 7000-3 (Apr 85) (Revised)

ADDITIONAL INFORMATION

Citation No. 3000021

Both the miner operator and helper stated that they knew about the damaged bolt, but did not want to remove the miner from the face to install the additional bolts, even though they were aware of a company policy that required them to do so. The entire crew had received annual refresher training on 11/19/88 and the roof and rib control plan was explained in its entirety. The section foreman stated that he was not aware that the condition existed.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I - Violation Data

1. Date	Mo.	Da	Yr.	2. Time (24 hr. Clock)	3. Citation/Order Number
	10	20	78	1315	3000022

4. Served To

5. Operator

6. Mine

7. Mine ID — (Contractor)

8. Condition or Practice

8a. Written Notice (10) (b)

In the 4th right, 02 section, No. 1 entry, two employees, without eye protection, were observed operating a Fletcher twin-boom roof bolter.

9. Violation | A. Was Violation Significant and Substantial? Yes ☐ No ☐ | B. Section of Act | C. Standard or 30 CFR | 75.1710

Section II - Inspector's Evaluation

10. Gravity

A. Injury or Illness Most Likely: No Lost Time ☐ Lost Time ☐ Permanently Disabling ☐ Fatality ☐ Occupational Illness ☐

B. Number of Persons Affected

C. Negligence and Substantial Test Required: Yes ☐ No ☐ Number of Persons Affected

11. Negligence (Check one)

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

12. Type of Action | 104A, | A. Type of Assessment (Check one): Citation ☐ Order ☐ Safeguard ☐

13. Special Action

A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ E. Action Code Number | F. Event | G. Yr. | H. No.

14. Area of Equipment

15. Termination Due | A. Date | Mo. | Da. | Yr. | B. Time (24 hr. Clock)

Section III - Termination Action

17. Action to Terminate

18. Terminated | A. Date | Mo. | Da. | Yr. | B. Time (24 hr. Clock)

Section IV - Automated System Data

19. Type of Inspection (Safety Only) AAA | 20. Event Number | 21. Primary or MSHA

22. Signature Otey Doke

16522

MSHA Form 7000-3 (Rev. 6/82)

ADDITIONAL INFORMATION

Citation No. 3000022

Company policy, state law and the roof control plan require wearing safety glasses. Both employees stated they had been issued eye protection but lost them. Employees were performing work where flying materials could result in eye injury. Ventilation was good. The company had reported one lost-time eye injury to date.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date	2. Time (24 Hr. Clock)	3. Citation/ Order Number
Mo 10 Da 21 Yr 88	0800	3000023

4. Served To

5. Operator

6. Mine

7. Mine ID — (Contractor)

8. Condition or Practice

8a. Written Notice (103g) ☐

The pump house at the pit mouth of the belt entry was found with extraneous materials laying on the floor causing stumbling and slipping hazards to a person while walking or working in the said area. Hank Tooey is the foreman in charge.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation — A. Health ☐ Safety ☒ Other ☐ — B. Section of Act — C. Part Section of Title 30 CFR 77.205b

Section II—Inspector's Evaluation

10. Gravity

A. Injury or Illness (Fatal) is/is: No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐

B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐

C. Significant and Substantial (See Reverse): Yes ☐ No ☐ — D. Number of Persons Affected

11. Negligence (Check one)

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104 — A — , — — — — 13. Type of Issuance (check one): Citation ☐ Order ☐ Safeguard ☐

14. Initial Action

A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ E. Citation/Order Number — F. Dated Mo Da Yr

15. Area or Equipment

16. Termination Due — A. Date Mo Da Yr — B. Time (24 Hr. Clock)

Section III—Termination Action

17. Action to Terminate

18. Terminated — A. Date Mo Da Yr — B. Time (24 Hr. Clock)

Section IV—Automated System Data

19. Type of Inspection (activity code): AAA — 20. Event Number — 21. Primary or Mill

22. Signature: Okey Doke — 23. MR Number: 16522

MSHA Form 7000-3 (Rev. Nov. 1981)

ADDITIONAL INFORMATION

Citation No. 3000023

Broken rock dust bags were allowed to accumulate on the floor of the pump house. Joe Grice, the Foreman in charge, stated that his men did not create the hazard, and he did not think they should clean it up.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I - Violation Data

1. Date: Mo 10 Da 21 Yr 88 | 2. Time (24 hr. Clock): 0000 | 3. Citation/Order Number: **3000024**

4. Served To | 5. Operator

6. Mine | 7. Mine ID: – (Contractor)

8. Condition or Practice | 8a. Written Notice (10.3a) ☐

The off-standard shuttle car is not maintained in a permissible condition, due to the conduit going to the head light (front right side) is damaged and the sheave wheel (front side) will not turn. Located on Mains Section. Mike Cash is the foreman in charge.

See Continuation Form (MSHA Form 7000-3a) ☐

9. Violation: A. Health ☒ Safety ☐ | B. Section of Act: – | C. Part/Section of Title 30 CFR: 75.503

Section II - Inspector's Evaluation

10. Gravity

A. Injury or Illness (Most Serious Which Could Reasonably Be Expected to Occur): No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐

B. Injury or Illness (Most Reasonably Expected to Occur): No Lost Work Days ☐ Lost Work Days or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐

C. Significant and Substantial (See Reverse): Yes ☐ No ☐ | D. Number of Persons Affected

11. Negligence (check one)

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104 – A – , – –

13. Type of Issuance (check one): Citation ☐ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ | E. Citation/Order Number | F. Dated: Mo Da Yr

15. Area or Equipment

16. Termination Due: A. Date: Mo Da Yr | B. Time (24 Hr. Clock)

Section III - Termination Action

17. Action to Terminate

18. Terminated: A. Date: Mo Da Yr | B. Time (24 Hr. Clock)

Section IV - Automated System Data

19. Type of Inspection (Activity Code): AAA | 20. Event Number | 21. Number of Miners

22. Signature: Okey Doke | 23. MR Number: 16522

MSHA Form 7000-3 (Rev. Nov. 1988) Previous Editions

ADDITIONAL INFORMATION

Citation No. 3000024

The shuttle car operator stated that he had observed these conditions only moments before we stopped him and thought since there was only 45 minutes left in the shift he would try to operate it anyway.

Mine Citation/Order

U.S. Department of Labor
Mine Safety and Health Administration

Section I—Violation Data

1. Date	2. Time (24 Hr. Clock)	3. Citation/ Order Number
Mo 10 Da 21 Yr 88	1210	3000025

4. Served To

5. Operator

6. Mine

7. Mine ID — (Contractor)

8. Condition or Practice

8a. Written Notice (103(j)) ☐

The belt starter box located in the belt conveyor entry at No.2 belt head has excessive accumulation of float coal dust (black in color) along with other refuse causing a possible fire hazard. Floyd Minor is the foreman in charge. The belt starter box is a large enclosed metal box with energized electrical connectors and contactors.

See Continuation Form (MSHA Form 7000-3a) Attached ☐

9. Violation: A. Health ☐ Safety ☒ Other ☐ | B. Section of Act — | C. Part/Section of Title 30 CFR 75.400

Section II—Inspector's Evaluation

10. Gravity

A. Injury or Illness (has) (is) No Likelihood ☐ Unlikely ☐ Reasonably Likely ☐ Highly Likely ☐ Occurred ☐

B. Injury or Illness could reasonably be expected to be: No Lost Workdays ☐ Lost Workdays or Restricted Duty ☐ Permanently Disabling ☐ Fatal ☐

C. Significant and Substantial (See Reverse) Yes ☐ No ☐ | D. Number of Persons Affected

11. Negligence (check one)

A. None ☐ B. Low ☐ C. Moderate ☐ D. High ☐ E. Reckless Disregard ☐

12. Type of Action: 104 — A — , — — — | 13. Type of Issuance (check one): Citation ☐ Order ☐ Safeguard ☐

14. Initial Action: A. Citation ☐ B. Order ☐ C. Safeguard ☐ D. Written Notice ☐ | E. Citation/ Order Number | F. Dated Mo Da Yr

15. Area or Equipment

16. Termination Due: A. Date Mo Da Yr | B. Time (24 Hr. Clock)

Section III—Termination Action

17. Action to Terminate

18. Terminated: A. Date Mo Da Yr | B. Time (24 Hr. Clock)

Section IV—Automated System Data

19. Type of Inspection (activity code) AAA | 20. Event Number | 21. Primary or Mill

22. Signature Okey Dake | 23. MR Number 16522

MSHA Form 7000-3 (7-74) 85 (Revised)

ADDITIONAL INFORMATION

Citation No. 30000025

This condition was created because the lid to the starter boxes was removed and the foreman thought that these lids were just a nuisance and could be removed, since these boxes did not have to be permissible.

A. INFORMATION LOG SHEET

PROBLEM: 1-Examination, 2-Installation, 3-Correction

Type Action: (Examples) 104(a) Citation 104(d) Order	A. INFORMATION SUMMARY OF VIOLATIONS	PROB. 1-3
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		

A. INFORMATION LOG SHEET

PROBLEM: 1-Examination, 2-Installation, 3-Correction

Type Action: (Examples) 104(a) Citation 104(d) Order	A. INFORMATION SUMMARY OF VIOLATIONS	PROB. 1-3
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		

B. TRAINING LOG SHEET

PROBLEM: 1-Examination, 2-Installation, 3-Correction

Type Action: (Examples) 104(a) Citation 104(d) Order	B. TRAINING SUMMARY OF VIOLATIONS	PROB. 1-3
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		

B. TRAINING LOG SHEET

PROBLEM: 1-Examination, 2-Installation, 3-Correction

Type Action: (Examples) 104(a) Citation 104(d) Order	B. TRAINING SUMMARY OF VIOLATIONS	PROB. 1-3
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		

C. TOOLS/MATERIALS LOG SHEET

PROBLEM: 1-Examination, 2-Installation, 3-Correction

Type Action: (Examples) 104(a) Citation 104(d) Order	C. TOOLS/MATERIALS SUMMARY OF VIOLATIONS	PROB. 1-3
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		

C. TOOLS/MATERIALS LOG SHEET

PROBLEM: 1-Examination, 2-Installation, 3-Correction

Type Action: (Examples) 104(a) Citation 104(d) Order	C. TOOLS/MATERIALS SUMMARY OF VIOLATIONS	PROB. 1-3
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		

D. INCENTIVE LOG SHEET

PROBLEM: 1-Examination, 2-Installation, 3-Correction

Type Action: (Examples) 104(a) Citation 104(d) Order	D. INCENTIVE SUMMARY OF VIOLATIONS	PROB. 1-3
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		

D. INCENTIVE LOG SHEET

PROBLEM: 1-Examination, 2-Installation, 3-Correction

Type Action: (Examples) 104(a) Citation 104(d) Order	D. INCENTIVE SUMMARY OF VIOLATIONS	PROB. 1-3
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		
Date: C/O Number: Type Action: Section of Law: Supervisor: Location:		

RVRP DATA SUMMARY AND ACTION PLAN

Mine Name: _____ Quarter: _____

A. INFORMATION CAUSE		B. TRAINING CAUSE		C. TOOLS/MATERIALS CAUSE		D. INCENTIVE CAUSE		PROBLEM AREAS	
Failure to Examine 1A		Failure to Examine 1B		Failure to Examine 1C		Failure to Examine 1D		EXAMINATION TOTAL 1	
Failure to Install 2A		Failure to Install 2B		Failure to Install 2C		Failure to Install 2D		INSTALLATION TOTAL 2	
Failure to Correct 3A		Failure to Correct 3B		Failure to Correct 3C		Failure to Correct 3D		CORRECTION TOTAL 3	
TOTAL A		TOTAL B		TOTAL C		TOTAL D			

PLANS TO ELIMINATE THE CAUSES OF VIOLATIONS AT THIS MINE INCLUDE:

Short Range:

Long Range:

Inspector's Comments:

RVRP FOLLOW-UP SUMMARY

Mine Name: _____ Quarter: _____

A. INFORMATION CAUSE		B. TRAINING CAUSE		C. TOOLS/MATERIALS CAUSE		D. INCENTIVE CAUSE		PROBLEM AREAS	
Failure to Examine 1A		Failure to Examine 1B		Failure to Examine 1C		Failure to Examine 1D		EXAMINATION TOTAL 1	
Failure to Install 2A		Failure to Install 2B		Failure to Install 2C		Failure to Install 2D		INSTALLATION TOTAL 2	
Failure to Correct 3A		Failure to Correct 3B		Failure to Correct 3C		Failure to Correct 3D		CORRECTION TOTAL 3	
TOTAL A		TOTAL B		TOTAL C		TOTAL D			
PREVIOUS QUARTER TOTAL A		TOTAL B		TOTAL C		TOTAL D			
CHANGE +/-		+/-		+/-		+/-			

Progress on Implementation of Short Range Plans:

Progress on Implementation of Long Range Plans:

Additional Comments: